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67014 U.S. PTO
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PATENT APPLICATION
U.S. COMMISSIONER FOR PATENTS
Washington, D. C. 20231

Sir:

Transmitted herewith for filing is the
[] patent application of
[] design patent application of
[X] continuation-in-part patent application of

Inventor(s): David A. Ruddy and Roger K. Wolff

For: Polymorphisms in the Region of the Human Hemochromatosis Gene

[X] This application claims priority from each of the following Application Nos./filing dates:
08/724,394 / 10-01-96; 08/630,912 / 04-04-96; 08/652,265 / 05-23-96.

[] Please amend this application by adding the following before the first sentence: --This application claims the benefit of U.S. Provisional Application No. 60/ , filed , the disclosure of which is incorporated by reference.--

Enclosed are:

[X] 147 sheet(s) of [X] formal [] informal drawing(s).
[] An assignment of the invention to _____
[X] A [] signed [X] unsigned Declaration & Power of Attorney.
[] A [] signed [] unsigned Declaration.
[] A Power of Attorney.
[] A verified statement to establish small entity status under 37 CFR 1.9 and 37 CFR 1.27 [] is enclosed [] was filed in the earliest of the above-identified patent application(s).
[] A certified copy of a _____ application.
[] Information Disclosure Statement under 37 CFR 1.97.
[] A petition to extend time to respond in the parent application of this continuation-in-part application.
[]

In view of the Unsigned Declaration as filed with this application and pursuant to 37 CFR §1.53(d),
Applicant requests deferral of the filing fee until submission of the Missing Parts of Application.

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**PATENT APPLICATION
FOR
Polymorphisms in the Region of the Human
Hemochromatosis Gene**

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5 **Polymorphisms in the Region of the Human
Hemochromatosis Gene**

This application is a continuation-in-part of U.S. Patent Application Serial No. 08/724,394, filed October 1, 1996, which is a continuation-in-part of U.S. Patent Application Serial No. 08/630,912, filed April 4, 1996, and U.S. Patent Application Serial No. 08/652,265, filed May 23, 1996, which are herein incorporated by reference in their entirety for all purposes.

15 **BACKGROUND OF THE INVENTION**

Hereditary hemochromatosis (HH) is an inherited disorder of iron metabolism wherein the body accumulates excess iron. In symptomatic individuals, this excess iron leads to deleterious effects by being deposited in a variety of organs leading to their failure, and resulting in cirrhosis, diabetes, sterility, and other serious illnesses. The gene which is defective in this disease was disclosed in copending U.S.S.N. 08/652,265.

HH is typically inherited as a recessive trait; in the current state of knowledge, homozygotes carrying two defective copies of the gene are most frequently affected by the disease. In addition, heterozygotes for the HH gene are more susceptible to sporadic porphyria cutanea tarda and potentially other disorders (Roberts et al., *Lancet* 349:321-323 (1997). It is estimated that approximately 10-15% of individuals of Northern European descent carry one copy of the HH gene mutation and that there are about one million homozygotes in the United States. HH, thus, represents one of the most common genetic disease mutations in individuals of Northern European descent. Although ultimately HH produces debilitating symptoms, the majority of homozygotes and heterozygotes have not been diagnosed.

The need for such diagnostics is documented, for example, in Barton, J.C. et al. Nature Medicine 2:394-395 (1996); Finch, C.A. West J Med 153:323-325 (1990); McCusick, V. Mendelian Inheritance in Man pp. 1882-1887, 11th ed., (Johns Hopkins University Press, Baltimore (1994)); Report of a Joint World Health Organization/Hemochromatosis Foundation/French Hemochromatosis Association Meeting on the Prevention and Control of Hemochromatosis (1993); Edwards, C.Q. et al. New Engl J Med 328:1616-1620 (1993); Bacon, B.R. New Engl J Med 326:126-127 (1992); Balan, V. et al. Gastroenterology 107:453-459 (1994); Phatak, P.D. et al. Arch Int Med 154:769-776 (1994).

A single mutation in the HH gene, designated 24d1 in copending U.S.S.N. 08/630,912, gave rise to the majority of disease-causing chromosomes present in the population today. This is referred to herein as the "common" or "ancestral" or "common ancestral" mutation. These terms are used interchangeably. It appears that about 80% to 90% of all HH patients carry at least one copy of the common ancestral mutation which is closely linked to specific alleles of certain genetic markers close to this ancestral HH gene defect. These markers are, as a first approximation, in the allelic form in which they were present at the time the ancestral HH mutation occurred. See, for example, Simon, M. et al. Am J Hum Genet 41:89-105 (1987); Jazwinska, E.C. et al. Am J Hum Genet 53:242-257 (1993); Jazwinska, E.C. et al. Am J Hum Genet 56:428-433 (1995); Worwood, M. et al. Brit J Hematol 86:863-866 (1994); Summers, K.M. et al. Am J Hum Genet 45:41-48 (1989).

Several polymorphic markers in the HH region have been described and shown to have alleles that are associated with HH disease. These markers include the published microsatellite markers D6S258, D6S306 (Gyapay, G. et al. Nature Genetics 7:246-339 (1994)), D6S265 (Worwood, M. et al. Brit J Hematol 86:833-846 (1994)), D6S105 (Jazwinska, E.C. et al. Am J Hum Genet 53:242-257 (1993); Jazwinska, E.C. et al. Am J Hum Genet 56:428-433 (1995)), D6S1001 (Stone, C. et al. Hum Molec Genet 3:2043-2046 (1994)), D6S1260 (Raha-Chowdhury

et al. Hum Molec Genet 4:1869-1874 (1995)) as well as additional microsatellite and single-nucleotide-polymorphism markers disclosed in co-pending PCT application WO 96/06583, the disclosure of which is hereby incorporated by reference in its entirety. Additionally, copending U.S.S.N. 08/630,912 disclosed additional markers 24d2 and 24d7.

The symptoms of HH are often similar to those of other conditions, and the severe effects of the disease often do not appear immediately. Accordingly, it would be desirable to provide a method to identify persons who may be destined to become symptomatic in order to intervene in time to prevent excessive tissue damage associated with iron overload. One reason for the lack of early diagnosis is the inadequacy of presently available diagnostic methods to ascertain which individuals are at risk, especially while such individuals are presymptomatic.

Although blood iron parameters can be used as a screening tool, a confirmed diagnosis often employs liver biopsy which is undesirably invasive, costly, and carries a risk of mortality. Thus, there is a clear need for the development of an inexpensive and noninvasive diagnostic test for detection of homozygotes and heterozygotes in order to facilitate diagnosis in symptomatic individuals, provide presymptomatic detection to guide intervention in order to prevent organ damage, and for identification of heterozygote carriers.

SUMMARY OF THE INVENTION

One aspect of the invention is an oligonucleotide comprising at least 8 to about 100 consecutive bases from the sequence of Figure 1 or Figure 2, or the complement of the sequence, wherein the at least 8 to about 100 consecutive bases includes at least one polymorphic site of Table 1.

Another aspect of the invention is an oligonucleotide pair selected from the sequence of Figure 1 or Figure 2 or its complement for amplification of a polymorphic site of Table 1.

Another aspect of the invention is an isolated nucleic acid molecule comprising about 100 consecutive bases to about 235 KB substantially identical to the sequence of Figure 1 or Figure 2, wherein the DNA molecule comprises at least one polymorphic site of Table 1.

5 Another aspect of the invention is a method to determine the presence or absence of the common hereditary hemochromatosis (HH) gene mutation in an individual comprising:

10 providing DNA or RNA from the individual; and assessing the DNA or RNA for the presence or absence of a haplotype of Table 1,
wherein, as a result, the absence of a
haplotype of Table 1 indicates the likely absence of the HH
15 gene mutation in the genome of the individual and the presence
of the haplotype indicates the likely presence of the HH gene
mutation in the genome of the individual.

20 Another aspect of the invention is a method to determine the presence or absence of the common hereditary hemochromatosis (HH) gene mutation in an individual comprising:

25 providing DNA or RNA from the individual; and assessing the DNA or RNA for the presence or absence of a genotype defined by a polymorphic allele of Table 1,

30 wherein, as a result, the absence of a genotype defined by a polymorphic allele of Table 1 indicates the likely absence of the HH gene mutation in the genome of the individual and the presence of the genotype indicates the likely presence of the HH gene mutation in the genome of the individual.

Another aspect of the invention is a culture of lymphoblastoid cells having the designation HC14.

35 BRIEF DESCRIPTION OF THE DRAWINGS

Figure 1 depicts the nucleotide sequence of approximately 235 KB in the HH subregion from an unaffected individual.

Figure 2 depicts the nucleotide sequence of approximately 235 KB in the HH subregion from an affected individual.

5

DETAILED DESCRIPTION

A. Definitions

Abbreviations for the twenty naturally occurring amino acids follow conventional usage. In the polypeptide notation used herein, the left-hand direction is the amino terminal direction and the right-hand direction is the carboxyl-terminal direction, in accordance with standard usage and convention. Similarly, unless specified otherwise, the left hand end of single-stranded polynucleotide sequences is the 5' end; the left hand direction of double-stranded polynucleotide sequences is referred to as the 5' direction. The direction of 5' to 3' addition of nascent RNA transcripts is referred to as the transcription direction; sequence regions on the DNA strand having the same sequence as the RNA and which are 5' to the 5' end of the RNA transcript are referred to as "upstream sequences"; sequence regions on the DNA strand having the same sequence as the RNA and which are 3' to the 3' end of the RNA transcript are referred to as "downstream sequences".

The term "nucleic acids", as used herein, refers to either DNA or RNA. "Nucleic acid sequence" or "polynucleotide sequence" refers to a single- or double-stranded polymer of deoxyribonucleotide or ribonucleotide bases read from the 5' to the 3' end. It includes both self-replicating plasmids, infectious polymers of DNA or RNA and nonfunctional DNA or RNA. The complement of any nucleic acid sequence of the invention is understood to be included in the definition of that sequence.

"Nucleic acid probes" may be DNA or RNA fragments. DNA fragments can be prepared, for example, by digesting plasmid DNA, or by use of PCR, or synthesized by either the phosphoramidite method described by Beaucage and Carruthers, Tetrahedron Lett. 22:1859-1862 (1981), or by the triester method according to Matteucci, et al., J. Am. Chem. Soc.

103:3185 (1981), both incorporated herein by reference. A double stranded fragment may then be obtained, if desired, by annealing the chemically synthesized single strands together under appropriate conditions or by synthesizing the
5 complementary strand using DNA polymerase with an appropriate primer sequence. Where a specific sequence for a nucleic acid probe is given, it is understood that the complementary strand is also identified and included. The complementary strand will work equally well in situations where the target is a
10 double-stranded nucleic acid.

The phrase "selectively hybridizing to" refers to a nucleic acid probe that hybridizes, duplexes or binds only to a particular target DNA or RNA sequence when the target sequences are present in a preparation of total cellular DNA or RNA. "Complementary" or "target" nucleic acid sequences refer to those nucleic acid sequences which selectively hybridize to a nucleic acid probe. Proper annealing conditions depend, for example, upon a probe's length, base composition, and the number of mismatches and their position on the probe, and must often be determined empirically. For discussions of nucleic acid probe design and annealing conditions, see, for example, Sambrook et al., Molecular Cloning: a Laboratory Manual (2nd ed.), Vols. 1-3, Cold Spring Harbor Laboratory, (1989) or Current Protocols in Molecular Biology, F. Ausubel et al., ed. Greene Publishing and Wiley-Interscience, New York (1987).

The phrase "nucleic acid sequence encoding" refers to a nucleic acid which directs the expression of a specific protein or peptide. The nucleic acid sequences include both the DNA strand sequence that is transcribed into RNA and the RNA sequence that is translated into protein. The nucleic acid sequences include both the full length nucleic acid sequences as well as non-full length sequences derived from the full length protein. It being further understood that the sequence includes the degenerate codons of the native sequence or sequences which may be introduced to provide codon preference in a specific host cell.

The phrase "isolated" or "substantially pure" refers to nucleic acid preparations that lack at least one protein or nucleic acid normally associated with the nucleic acid in a host cell.

5 The phrase "expression cassette", refers to nucleotide sequences which are capable of affecting expression of a structural gene in hosts compatible with such sequences. Such cassettes include at least promoters and optionally, transcription termination signals. Additional factors
10 necessary or helpful in effecting expression may also be used as described herein.

The term "operably linked" as used herein refers to linkage of a promoter upstream from a DNA sequence such that the promoter mediates transcription of the DNA sequence.

15 The term "vector", refers to viral expression systems, autonomous self-replicating circular DNA (plasmids), and includes both expression and nonexpression plasmids. Where a recombinant microorganism or cell culture is described as hosting an "expression vector," this includes both
20 extrachromosomal circular DNA and DNA that has been incorporated into the host chromosome(s). Where a vector is being maintained by a host cell, the vector may either be stably replicated by the cells during mitosis as an autonomous structure, or is incorporated within the host's genome.

25 The term "gene" as used herein is intended to refer to a nucleic acid sequence which encodes a polypeptide. This definition includes various sequence polymorphisms, mutations, and/or sequence variants wherein such alterations do not affect the function of the gene product. The term "gene" is
30 intended to include not only coding sequences but also regulatory regions such as promoters, enhancers, and termination regions. The term further includes all introns and other DNA sequences spliced from the mRNA transcript, along with variants resulting from alternative splice sites.

35 The term "plasmid" refers to an autonomous circular DNA molecule capable of replication in a cell, and includes both the expression and nonexpression types. Where a recombinant microorganism or cell culture is described as

hosting an "expression plasmid", this includes both extrachromosomal circular DNA molecules and DNA that has been incorporated into the host chromosome(s). Where a plasmid is being maintained by a host cell, the plasmid is either being stably replicated by the cells during mitosis as an autonomous structure or is incorporated within the host's genome.

The phrase "recombinant protein" or "recombinantly produced protein" refers to a peptide or protein produced using non-native cells that do not have an endogenous copy of DNA able to express the protein. The cells produce the protein because they have been genetically altered by the introduction of the appropriate nucleic acid sequence. The recombinant protein will not be found in association with proteins and other subcellular components normally associated with the cells producing the protein. The terms "protein" and "polypeptide" are used interchangeably herein.

The following terms are used to describe the sequence relationships between two or more nucleic acids or polynucleotides: "reference sequence", "comparison window", "sequence identity", "percentage of sequence identity", and "substantial identity". A "reference sequence" is a defined sequence used as a basis for a sequence comparison; a reference sequence may be a subset of a larger sequence, for example, as a segment of a full-length cDNA or gene sequence given in a sequence listing, or may comprise a complete cDNA or gene sequence.

Optimal alignment of sequences for aligning a comparison window may, for example, be conducted by the local homology algorithm of Smith and Waterman Adv. Appl. Math. 2:482 (1981), by the homology alignment algorithm of Needleman and Wunsch J. Mol. Biol. 48:443 (1970), by the search for similarity method of Pearson and Lipman Proc. Natl. Acad. Sci. U.S.A. 85:2444 (1988), or by computerized implementations of these algorithms (for example, GAP, BESTFIT, FASTA, and TFASTA in the Wisconsin Genetics Software Package Release 7.0, Genetics Computer Group, 575 Science Dr., Madison, WI).

The terms "substantial identity" or "substantial sequence identity" as applied to nucleic acid sequences and as

used herein and denote a characteristic of a polynucleotide sequence, wherein the polynucleotide comprises a sequence that has at least 85 percent sequence identity, preferably at least 90 to 95 percent sequence identity, and more preferably at least 99 percent sequence identity as compared to a reference sequence over a comparison window of at least 20 nucleotide positions, frequently over a window of at least 25-50 nucleotides, wherein the percentage of sequence identity is calculated by comparing the reference sequence to the polynucleotide sequence which may include deletions or additions which total 20 percent or less of the reference sequence over the window of comparison. The reference sequence may be a subset of a larger sequence.

As applied to polypeptides, the terms "substantial identity" or "substantial sequence identity" mean that two peptide sequences, when optimally aligned, such as by the programs GAP or BESTFIT using default gap weights, share at least 80 percent sequence identity, preferably at least 90 percent sequence identity, more preferably at least 95 percent sequence identity or more. "Percentage amino acid identity" or "percentage amino acid sequence identity" refers to a comparison of the amino acids of two polypeptides which, when optimally aligned, have approximately the designated percentage of the same amino acids. For example, "95% amino acid identity" refers to a comparison of the amino acids of two polypeptides which when optimally aligned have 95% amino acid identity. Preferably, residue positions which are not identical differ by conservative amino acid substitutions. For example, the substitution of amino acids having similar chemical properties such as charge or polarity are not likely to effect the properties of a protein. Examples include glutamine for asparagine or glutamic acid for aspartic acid.

The phrase "substantially purified" or "isolated" when referring to a peptide or protein, means a chemical composition which is essentially free of other cellular components. It is preferably in a homogeneous state although it can be in either a dry or aqueous solution. Purity and homogeneity are typically determined using analytical

chemistry techniques such as polyacrylamide gel electrophoresis or high performance liquid chromatography. A protein which is the predominant species present in a preparation is substantially purified. Generally, a substantially purified or isolated protein will comprise more than 80% of all macromolecular species present in the preparation. Preferably, the protein is purified to represent greater than 90% of all macromolecular species present. More preferably the protein is purified to greater than 95%, and most preferably the protein is purified to essential homogeneity, wherein other macromolecular species are not detected by conventional techniques.

The phrase "specifically binds to an antibody" or "specifically immunoreactive with", when referring to a protein or peptide, refers to a binding reaction which is determinative of the presence of the protein in the presence of a heterogeneous population of proteins and other biologics. Thus, under designated immunoassay conditions, the specified antibodies bind to a particular protein and do not bind in a significant amount to other proteins present in the sample. Specific binding to an antibody under such conditions may require an antibody that is selected for its specificity for a particular protein. A variety of immunoassay formats may be used to select antibodies specifically immunoreactive with a particular protein. For example, solid-phase ELISA immunoassays are routinely used to select monoclonal antibodies specifically immunoreactive with a protein. See Harlow and Lane (1988) Antibodies, a Laboratory Manual, Cold Spring Harbor Publications, New York, for a description of immunoassay formats and conditions that can be used to determine specific immunoreactivity.

As used herein, "EST" or "Expressed Sequence Tag" refers to a partial DNA or cDNA sequence of about 150 to 500, more preferably about 300, sequential nucleotides of a longer sequence obtained from a genomic or cDNA library prepared from a selected cell, cell type, tissue or tissue type, or organisms which longer sequence corresponds to an mRNA or a gene found in that library. An EST is generally DNA. One or

more libraries made from a single tissue type typically provide at least 3000 different (i.e. unique) EST's and potentially the full complement of all possible EST's representing all possible cDNAs, e.g., 50,000 - 100,000 in an animal such as a human. (See, for example, Adams *et al.*

Science 252:1651-1656 (1991)).

"Stringent" as used herein refers to hybridization and wash conditions of 50% formamide at 42°C. Other stringent hybridization conditions may also be selected. Generally, stringent conditions are selected to be about 5° C lower than the thermal melting point (Tm) for the specific sequence at a defined ionic strength and pH. The Tm is the temperature (under defined ionic strength and pH) at which 50% of the target sequence hybridizes to a perfectly matched probe. Typically, stringent conditions will be those in which the salt concentration is at least about 0.02 molar at pH 7 and the temperature is at least about 60°C. As other factors may significantly affect the stringency of hybridization, including, among others, base composition and size of the complementary strands, the presence of organic solvents and the extent of base mismatching, the combination of parameters is more important than the absolute measure of any one.

B. Polymorphic Markers

The invention provides 397 new polymorphic sites in the region of the HH gene. These polymorphisms are listed in Table 1. As described below, these polymorphisms were identified by comparison of the DNA sequence of an affected individual homozygous for the common ancestral HH mutation with that of an unaffected individual disclosed in copending U.S. 08/724,394.

These polymorphisms provide surrogate markers for use in diagnostic assays to detect the likely presence of the mutations 24d1 and/or 24d2, in preferably 24d1, in homozygotes or heterozygotes. Thus, for example, DNA or RNA from an individual is assessed for the presence or absence of a genotype defined by a polymorphic allele of Table 1, wherein, as a result, the absence of a genotype defined by a

polymorphic allele of Table 1 indicates the likely absence of the HH gene mutation in the genome of the individual and the presence of the genotype indicates the likely presence of the HH gene mutation in the genome of the individual.

These markers may be used singly, in combination with each other, or with other polymorphic markers (such as those disclosed in co-pending PCT application WO 96/06583) in diagnostic assays for the likely presence of the HH gene mutation in an individual. For example, any of the markers defined by the polymorphic sites of Table 1 can be used in diagnostic assays in combination with 24d1 or 24d2, or at least one of polymorphisms HHP-1, HHP-19, or HHP-29, or microsatellite repeat alleles 19D9:205; 18B4:235; 1A2:239; 1E4:271; 24E2:245; 2B8:206; 3321-1:98; 4073-1:182; 4440-1:180; 4440-2:139; 731-1:177; 5091-1:148; 3216-1:221; 4072-2:170; 950-1:142; 950-2:164; 950-3:165; 950-4:128; 950-6:151; 950-8:137; 63-1:151; 63-2:113; 63-3:169; 65-1:206; 65-2:159; 68-1:167; 241-5:108; 241-29:113; 373-8:151; and 373-29:113, D6S258:199, D6S265:122, D6S105:124; D6S306:238; D6S464:206; and D6S1001:180.

Table 2 lists the frequency of about 100 of the alleles defined by the polymorphic sites of the invention in the general population. As is evident from the Table, certain of these alleles are present rarely in the general population. These polymorphisms are thus preferred as surrogate markers in diagnostic assays for the presence of a mutant HH allele ("gene mutation") such as 24d1 or 24d2. Preferably, the frequency of the polymorphic allele used in the diagnostic assay in the general population is less than about 50%, more preferably less than about 25%, and most preferably less than about 5%. Thus, of the genotypes defined by the alleles listed in Table II, polymorphisms occurring at base 35983 and base 61465 of Figure 1 are preferred.

It will be understood by those of skill in the art that because they were identified in an ancestral HH homozygote, the haplotypes defined by the polymorphic sites of Table 1 are predictive of the likely presence of the HH gene mutation 24d1. Thus, for example, the likelihood of any

affected individual having at least two or more of any of the polymorphic alleles defined by Table 1 is greater than that for any unaffected individual. Similarly, the likelihood of any affected individual having at least three or more of any of the polymorphic alleles defined by Table 1 is greater than that for any unaffected individual.

Thus, for example, in a diagnostic assay for the likely presence of the HH gene mutation in the genome of the individual, DNA or RNA from the individual is assessed for the presence or absence of a haplotype of Table 1, wherein, as a result, the absence of a haplotype of Table 1 indicates the likely absence of the HH gene mutation in the genome of the individual and the presence of the haplotype indicates the likely presence of the HH gene mutation in the genome of the individual.

The markers defined by the polymorphic sites of Table 1 are additionally useful as markers for genetic analysis of the inheritance of certain HH alleles and other genes which occur within the chromosomal region corresponding to the sequence of Figure 1 which include, for example, those disclosed in copending U.S.S.N. 08/724,394.

As the entire nucleotide sequence of the region is provided in Figure 1, it will be evident to those of ordinary skill in the art which sequences to use as primers or probes for detecting each polymorphism of interest. Thus, in some embodiments of the invention, the nucleotide sequences of the invention include at least one oligonucleotide pair selected from the sequence of Figure 1 or Figure 2 or its complement for amplification of a polymorphic site of Table 1. Furthermore, in some embodiments of the invention a preferred hybridization probe is an oligonucleotide comprising at least 8 to about 100 consecutive bases from the sequence of Figure 1 or Figure 2, or the complement of the sequence, wherein the at least 8 to about 100 consecutive bases includes at least one polymorphic site of Table 1. In some embodiments the polymorphic site is at base 35983 or base 61465 of Figure 1.

It will also be appreciated that the nucleic acid sequences of the invention include isolated nucleic acid

molecules comprising about 100 consecutive bases to about 235 KB substantially identical to the sequence of Figure 1 or Figure 2, wherein the DNA molecule comprises at least one polymorphic site of Table 1. Such isolated DNA sequences are useful as primers, probes, or as the component of a kit in diagnostic assays for detecting the likely presence of the HH gene mutation in an individual.

5
C. Nucleic Acid Based Screening

10 Individuals carrying polymorphic alleles of the invention may be detected at either the DNA, the RNA, or the protein level using a variety of techniques that are well known in the art. The genomic DNA used for the diagnosis may be obtained from body cells, such as those present in peripheral blood, urine, saliva, bucca, surgical specimen, and autopsy specimens. The DNA may be used directly or may be amplified enzymatically *in vitro* through use of PCR (Saiki et al. Science 239:487-491 (1988)) or other *in vitro* amplification methods such as the ligase chain reaction (LCR) (Wu and Wallace Genomics 4:560-569 (1989)), strand displacement amplification (SDA) (Walker et al. Proc. Natl. Acad. Sci. U.S.A. 89:392-396 (1992)), self-sustained sequence replication (3SR) (Fahy et al. PCR Methods Appl. 1:25-33 (1992)), prior to mutation analysis. The methodology for preparing nucleic acids in a form that is suitable for mutation detection is well known in the art.

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The detection of polymorphisms in specific DNA sequences, such as in the region of the HH gene, can be accomplished by a variety of methods including, but not limited to, restriction-fragment-length-polymorphism detection based on allele-specific restriction-endonuclease cleavage (Kan and Dozy Lancet ii:910-912 (1978)), hybridization with allele-specific oligonucleotide probes (Wallace et al. Nucl. Acids Res 6:3543-3557 (1978)), including immobilized oligonucleotides (Saiki et al. Proc. Natl. Acad. Sci. U.S.A. 86:6230-6234 (1989)) or oligonucleotide arrays (Maskos and Southern Nucl. Acids Res 21:2269-2270 (1993)), allele-specific PCR (Newton et al. Nucl. Acids Res 17:2503-2516 (1989)),

mismatch-repair detection (MRD) (Faham and Cox Genome Res 5:474-482 (1995)), binding of MutS protein (Wagner et al. Nucl Acids Res 23:3944-3948 (1995)), denaturing-gradient gel electrophoresis (DGGE) (Fisher and Lerman et al. Proc. Natl. Acad. Sci. U.S.A. 80:1579-1583 (1983)), single-strand-conformation-polymorphism detection (Orita et al. Genomics 5:874-879 (1983)), RNAase cleavage at mismatched base-pairs (Myers et al. Science 230:1242 (1985)), chemical (Cotton et al. Proc. Natl. Acad. Sci. U.S.A. 85:4397-4401 (1988)) or enzymatic (Youil et al. Proc. Natl. Acad. Sci. U.S.A. 92:87-91 (1995)) cleavage of heteroduplex DNA, methods based on allele specific primer extension (Syvänen et al. Genomics 8:684-692 (1990)), genetic bit analysis (GBA) (Nikiforov et al. Nucl Acids Res 22:4167-4175 (1994)), the oligonucleotide-ligation assay (OLA) (Landegren et al. Science 241:1077 (1988)), the allele-specific ligation chain reaction (LCR) (Barrany Proc. Natl. Acad. Sci. U.S.A. 88:189-193 (1991)), gap-LCR (Abravaya et al. Nucl. Acids Res. 23:675-682 (1995)), radioactive and/or fluorescent DNA sequencing using standard procedures well known in the art, and peptide nucleic acid (PNA) assays (Orum et al., Nucl. Acids Res. 21:5332-5356 (1993); Thiede et al., Nucl. Acids Res. 24:983-984 (1996)).

In addition to the genotypes defined by the polymorphisms of the invention, as described in co-pending PCT application WO 96/35802 published November 14, 1996, genotypes characterized by the presence of the alleles 19D9:205; 18B4:235; 1A2:239; 1E4:271; 24E2:245; 2B8:206; 3321-1:98 (denoted 3321-1:197 therein); 4073-1:182; 4440-1:180; 4440-2:139; 731-1:177; 5091-1:148; 3216-1:221; 4072-2:170 (denoted 4072-2:148 therein); 950-1:142; 950-2:164; 950-3:165; 950-4:128; 950-6:151; 950-8:137; 63-1:151; 63-2:113; 63-3:169; 65-1:206; 65-2:159; 68-1:167; 241-5:108; 241-29:113; 373-8:151; and 373-29:113, alleles D6S258:199, D6S265:122, D6S105:124, D6S306:238, D6S464:206; and D6S1001:180, and/or alleles associates with the HHP-1, the HHP-19 or HHP-29 single base-pair polymorphisms can also be used to assist in the identification of an individual whose genome contains 24d1 and/or 24d2. For example, the assessing step can be performed

by a process which comprises subjecting the DNA or RNA to amplification using oligonucleotide primers flanking a polymorphism of Table 1, and oligonucleotides flanking 24d1 and/or 24d2, oligonucleotide primers flanking at least one of the base-pair polymorphisms HHP-1, HHP-19, and HHP-29, oligonucleotide primers flanking at least one of the microsatellite repeat alleles, or oligonucleotide primers for any combination of polymorphisms or microsatellite repeat alleles thereof.

Oligonucleotides useful in diagnostic assays are typically at least 8 consecutive nucleotides in length, and may range upwards of 18 nucleotides in length to greater than 100 or more consecutive nucleotides. Such oligonucleotides can be derived from either the genomic DNA of Figure 1 or 2, or cDNA sequences derived therefrom, or may be synthesized.

Additionally, the proteins encoded by such cDNAs are useful in the generation of antibodies for analysis of gene expression and in diagnostic assays, and in the purification of related proteins.

D. General Methods

The nucleic acid compositions of this invention, whether RNA, cDNA, genomic DNA, or a hybrid of the various combinations, may be isolated from natural sources, including cloned DNA, or may be synthesized *in vitro*. The nucleic acids claimed may be present in transformed or transfected whole cells, in a transformed or transfected cell lysate, or in a partially purified or substantially pure form.

Techniques for nucleic acid manipulation of the nucleic acid sequences of the invention such as subcloning nucleic acid sequences encoding polypeptides into expression vectors, labeling probes, DNA hybridization, and the like are described generally in Sambrook *et al.*, Molecular Cloning - a Laboratory Manual (2nd Ed.), Vol. 1-3, Cold Spring Harbor Laboratory, Cold Spring Harbor, New York, (1989), which is incorporated herein by reference. This manual is hereinafter referred to as "Sambrook *et al.*"

There are various methods of isolating the nucleic acid sequences of the invention. For example, DNA is isolated from a genomic or cDNA library using labeled oligonucleotide probes having sequences complementary to the sequences disclosed herein. Such probes can be used directly in hybridization assays. Alternatively probes can be designed for use in amplification techniques such as PCR.

To prepare a cDNA library, mRNA is isolated from tissue such as heart or pancreas, preferably a tissue wherein expression of the gene or gene family is likely to occur. cDNA is prepared from the mRNA and ligated into a recombinant vector. The vector is transfected into a recombinant host for propagation, screening and cloning. Methods for making and screening cDNA libraries are well known. See Gubler, U. and Hoffman, B.J. Gene 25:263-269 (1983) and Sambrook et al.

For a genomic library, for example, the DNA is extracted from tissue and either mechanically sheared or enzymatically digested to yield fragments of about 12-20 KB. The fragments are then separated by gradient centrifugation from undesired sizes and are constructed in bacteriophage lambda vectors. These vectors and phage are packaged *in vitro*, as described in Sambrook, et al. Recombinant phage are analyzed by plaque hybridization as described in Benton and Davis, Science 196:180-182 (1977). Colony hybridization is carried out as generally described in M. Grunstein et al. Proc. Natl. Acad. Sci. USA. 72:3961-3965 (1975).

DNA of interest is identified in either cDNA or genomic libraries by its ability to hybridize with nucleic acid probes, for example on Southern blots, and these DNA regions are isolated by standard methods familiar to those of skill in the art. See Sambrook, et al.

In PCR techniques, oligonucleotide primers complementary to the two 3' borders of the DNA region to be amplified are synthesized. The polymerase chain reaction is then carried out using the two primers. See PCR Protocols: a Guide to Methods and Applications (Innis, M, Gelfand, D., Sninsky, J. and White, T., eds.), Academic Press, San Diego (1990). Primers can be selected to amplify the entire regions

encoding a full-length sequence of interest or to amplify smaller DNA segments as desired.

PCR can be used in a variety of protocols to isolate cDNA's encoding a sequence of interest. In these protocols, appropriate primers and probes for amplifying DNA encoding a sequence of interest are generated from analysis of the DNA sequences listed herein. Once such regions are PCR-amplified, they can be sequenced and oligonucleotide probes can be prepared from sequence obtained.

Oligonucleotides for use as primers or probes are chemically synthesized according to the solid phase phosphoramidite triester method first described by Beaucage, S.L. and Carruthers, M.H., Tetrahedron Lett., 22(20):1859-1862 (1981) using an automated synthesizer, as described in Needham-VanDevanter, D.R., et al., Nucleic Acids Res. 12:6159-6168 (1984). Purification of oligonucleotides is by either native acrylamide gel electrophoresis or by anion-exchange HPLC as described in Pearson, J.D. and Regnier, F.E., J. Chrom., 255:137-149 (1983). The sequence of the synthetic oligonucleotide can be verified using the chemical degradation method of Maxam, A.M. and Gilbert, W., in Grossman, L. and Moldave, D., eds. Academic Press, New York, Methods in Enzymology 65:499-560 (1980).

25 E. Expression

Once DNA encoding a sequence of interest is isolated and cloned, one can express the encoded proteins in a variety of recombinantly engineered cells. It is expected that those of skill in the art are knowledgeable in the numerous expression systems available for expression of DNA encoding a sequence of interest. No attempt to describe in detail the various methods known for the expression of proteins in prokaryotes or eukaryotes is made here.

In brief summary, the expression of natural or synthetic nucleic acids encoding a sequence of interest will typically be achieved by operably linking the DNA or cDNA to a promoter (which is either constitutive or inducible), followed by incorporation into an expression vector. The vectors can

be suitable for replication and integration in either prokaryotes or eukaryotes. Typical expression vectors contain transcription and translation terminators, initiation sequences, and promoters useful for regulation of the 5 expression of polynucleotide sequence of interest. To obtain high level expression of a cloned gene, it is desirable to construct expression plasmids which contain, at the minimum, a strong promoter to direct transcription, a ribosome binding site for translational initiation, and a 10 transcription/translation terminator. The expression vectors may also comprise generic expression cassettes containing at least one independent terminator sequence, sequences permitting replication of the plasmid in both eukaryotes and prokaryotes, i.e., shuttle vectors, and selection markers for 15 both prokaryotic and eukaryotic systems. See Sambrook et al. Examples of expression of ATP-sensitive potassium channel proteins in both prokaryotic and eukaryotic systems are described below.

20 1. Expression in Prokaryotes

A variety of procaryotic expression systems may be used to express the proteins of the invention. Examples include *E. coli*, *Bacillus*, *Streptomyces*, and the like.

It is preferred to construct expression plasmids 25 which contain, at the minimum, a strong promoter to direct transcription, a ribosome binding site for translational initiation, and a transcription/translation terminator. Examples of regulatory regions suitable for this purpose in *E. coli* are the promoter and operator region of the *E. coli* 30 tryptophan biosynthetic pathway as described by Yanofsky, C., *J. Bacteriol.* 158:1018-1024 (1984) and the leftward promoter of phage lambda ($P\lambda$) as described by Herskowitz, I. and Hagen, D., *Ann. Rev. Genet.* 14:399-445 (1980). The inclusion of 35 selection markers in DNA vectors transformed in *E. coli* is also useful. Examples of such markers include genes specifying resistance to ampicillin, tetracycline, or chloramphenicol. See Sambrook et al. for details concerning selection markers for use in *E. coli*.

To enhance proper folding of the expressed recombinant protein, during purification from *E. coli*, the expressed protein may first be denatured and then renatured. This can be accomplished by solubilizing the bacterially produced proteins in a chaotropic agent such as guanidine HCl and reducing all the cysteine residues with a reducing agent such as beta-mercaptoethanol. The protein is then renatured, either by slow dialysis or by gel filtration. See U.S. Patent No. 4,511,503.

Detection of the expressed antigen is achieved by methods known in the art as radioimmunoassay, or Western blotting techniques or immunoprecipitation. Purification from *E. coli* can be achieved following procedures such as those described in U.S. Patent No. 4,511,503.

2. Expression in Eukaryotes

A variety of eukaryotic expression systems such as yeast, insect cell lines, bird, fish, and mammalian cells, are known to those of skill in the art. As explained briefly below, a sequence of interest may be expressed in these eukaryotic systems.

Synthesis of heterologous proteins in yeast is well known. Methods in Yeast Genetics, Sherman, F., et al., Cold Spring Harbor Laboratory, (1982) is a well recognized work describing the various methods available to produce the protein in yeast.

Suitable vectors usually have expression control sequences, such as promoters, including 3-phosphoglycerate kinase or other glycolytic enzymes, and an origin of replication, termination sequences and the like as desired. For instance, suitable vectors are described in the literature (Botstein, et al., Gene 8:17-24 (1979); Broach, et al., Gene 8:121-133 (1979)).

Two procedures are used in transforming yeast cells. In one case, yeast cells are first converted into protoplasts using zymolyase, lyticase or glusulase, followed by addition of DNA and polyethylene glycol (PEG). The PEG-treated protoplasts are then regenerated in a 3% agar medium under

selective conditions. Details of this procedure are given in the papers by J.D. Beggs, Nature (London) 275:104-109 (1978); and Hinnen, a., et al., Proc. Natl. Acad. Sci. U.S.A. 75:1929-1933 (1978). The second procedure does not involve removal of the cell wall. Instead the cells are treated with lithium chloride or acetate and PEG and put on selective plates (Ito, H., et al., J. Bact. 153:163-168 (1983)).

The proteins of the invention, once expressed, can be isolated from yeast by lysing the cells and applying standard protein isolation techniques to the lysates. The monitoring of the purification process can be accomplished by using Western blot techniques or radioimmunoassay or other standard immunoassay techniques.

The sequences encoding the proteins of the invention can also be ligated to various expression vectors for use in transforming cell cultures of, for instance, mammalian, insect, bird or fish origin. Illustrative of cell cultures useful for the production of the polypeptides are mammalian cells. Mammalian cell systems often will be in the form of monolayers of cells although mammalian cell suspensions may also be used. A number of suitable host cell lines capable of expressing intact proteins have been developed in the art, and include the HEK293, BHK21, and CHO cell lines, and various human cells such as COS cell lines, HeLa cells, myeloma cell lines, Jurkat cells, etc. Expression vectors for these cells can include expression control sequences, such as an origin of replication, a promoter (e.g., the CMV promoter, a HSV tk promoter or pgk (phosphoglycerate kinase) promoter), an enhancer (Queen et al. Immunol. Rev. 89:49 (1986)), and necessary processing information sites, such as ribosome binding sites, RNA splice sites, polyadenylation sites (e.g., an SV40 large T Ag poly a addition site), and transcriptional terminator sequences. Other animal cells useful for production of ATP-sensitive potassium channel proteins are available, for instance, from the American Type Culture Collection Catalogue of Cell Lines and Hybridomas (7th edition, (1992)).

Appropriate vectors for expressing the proteins of the invention in insect cells are usually derived from the SF9 baculovirus. Suitable insect cell lines include mosquito larvae, silkworm, armyworm, moth and *Drosophila* cell lines such as a Schneider cell line (See Schneider J. Embryol. Exp. Morphol. 27:353-365 (1987)).

As indicated above, the vector, e.g., a plasmid, which is used to transform the host cell, preferably contains DNA sequences to initiate transcription and sequences to control the translation of the protein. These sequences are referred to as expression control sequences.

As with yeast, when higher animal host cells are employed, polyadenylation or transcription terminator sequences from known mammalian genes need to be incorporated into the vector. An example of a terminator sequence is the polyadenylation sequence from the bovine growth hormone gene. Sequences for accurate splicing of the transcript may also be included. An example of a splicing sequence is the VP1 intron from SV40 (Sprague, J. et al., J. Virol. 45: 773-781 (1983)).

Additionally, gene sequences to control replication in the host cell may be incorporated into the vector such as those found in bovine papilloma virus type-vectors.

Saveria-Campo, M., 1985, "Bovine Papilloma virus DNA a Eukaryotic Cloning Vector" in DNA Cloning Vol. II a Practical Approach Ed. D.M. Glover, IRL Press, Arlington, Virginia pp. 213-238.

The host cells are competent or rendered competent for transformation by various means. There are several well-known methods of introducing DNA into animal cells. These include: calcium phosphate precipitation, fusion of the recipient cells with bacterial protoplasts containing the DNA, treatment of the recipient cells with liposomes containing the DNA, DEAE dextran, electroporation and micro-injection of the DNA directly into the cells.

The transformed cells are cultured by means well known in the art. Biochemical Methods in Cell Culture and Virology, Kuchler, R.J., Dowden, Hutchinson and Ross, Inc., (1977). The expressed polypeptides are isolated from cells

grown as suspensions or as monolayers. The latter are recovered by well known mechanical, chemical or enzymatic means.

5 D. Purification

The proteins produced by recombinant DNA technology may be purified by standard techniques well known to those of skill in the art. Recombinantly produced proteins can be directly expressed or expressed as a fusion protein. The 10 protein is then purified by a combination of cell lysis (e.g., sonication) and affinity chromatography. For fusion products, subsequent digestion of the fusion protein with an appropriate proteolytic enzyme releases the desired polypeptide.

The polypeptides of this invention may be purified 15 to substantial purity by standard techniques well known in the art, including selective precipitation with such substances as ammonium sulfate, column chromatography, immunopurification methods, and others. See, for instance, R. Scopes, Protein Purification: Principles and Practice, Springer-Verlag: New York (1982), incorporated herein by reference. For example, 20 antibodies may be raised to the proteins of the invention as described herein. Cell membranes are isolated from a cell line expressing the recombinant protein, the protein is extracted from the membranes and immunoprecipitated. The 25 proteins may then be further purified by standard protein chemistry techniques as described above.

F. Antibodies

As mentioned above, antibodies can also be used for 30 the screening of polypeptide products encoded by the polymorphic nucleic acids of the invention. In addition, antibodies are useful in a variety of other contexts in accordance with the present invention. Such antibodies can be utilized for the diagnosis of HH and, in certain applications, 35 targeting of affected tissues.

Thus, in accordance with another aspect of the present invention a kit is provided that is suitable for use in screening and assaying for the presence of polypeptide

products encoded by the polymorphic nucleic acids of the invention by an immunoassay through use of an antibody which specifically binds to polypeptide products encoded by the polymorphic nucleic acids of the invention in combination with 5 a reagent for detecting the binding of the antibody to the gene product.

Once hybridoma cell lines are prepared, monoclonal antibodies can be made through conventional techniques of priming mice with pristane and interperitoneally injecting 10 such mice with the hybrid cells to enable harvesting of the monoclonal antibodies from ascites fluid.

In connection with synthetic and semi-synthetic antibodies, such terms are intended to cover antibody fragments, isotype switched antibodies, humanized antibodies 15 (mouse-human, human-mouse, and the like), hybrids, antibodies having plural specificities, fully synthetic antibody-like molecules, and the like.

This invention also embraces diagnostic kits for detecting DNA or RNA comprising a polymorphism of Table 1 in tissue or blood samples which comprise nucleic acid probes as described herein and instructional material. The kit may also contain additional components such as labeled compounds, as 20 described herein, for identification of duplexed nucleic acids.

25 The following examples are provided to illustrate the invention but not to limit its scope. Other variants of the invention will be readily apparent to one of ordinary skill in the art and are encompassed by the appended claims.

30 EXPERIMENTAL EXAMPLES

I. Sequencing of 235 KB from a Homozygous Ancestral (Affected) Individual

In these studies the entire genomic sequence was determined from an HH affected individual for a region 35 corresponding to a 235,033 bp region surrounding the HH gene between the flanking markers D6S2238 and D6S2241. The sequence was derived from a human lymphoblastoid cell line, HC14, that is homozygous for the ancestral HH mutation and

region. The sequence from the ancestral chromosome (Figure 2) was compared to the sequence of the region in an unaffected individual disclosed in copending U.S.S.N. 08/724,394 (a portion of which is provided in Figure 1) to identify polymorphic sites. A subset of the polymorphic alleles so defined were further studied to determine their frequency in a collection of random individuals.

5 A. Cosmid Library Screening

10 The strategy and methodology for sequencing the genomic DNA for the affected individual was essentially as described in copending U.S.S.N. 08/724,394, hereby incorporated by reference in its entirety. Basically, a cosmid library was constructed using high molecular weight DNA from HC14 cells. The library was constructed in the supercos vector (Stratagene, La Jolla, CA). Colonies were replicated onto Biotrans nylon filters (ICN) using standard techniques. Probes from genomic subclones used in the generation of the sequence of the unaffected sequence disclosed in 08/724,394 were isolated by gel electrophoresis and electroporation. Subclones were chosen at a spacing of approximately 20 KB throughout the 235 KB region. The DNA was labeled by incorporation of ³²P dCTP by the random primer labeling approach. Positively hybridizing clones were isolated to purity by a secondary screening step. Cosmid insert ends were sequenced to determine whether full coverage had been obtained, and which clones formed a minimal path of cosmids through the 235 KB region.

30 B. Sample Sequencing

35 A minimal set of cosmid clones chosen to cover the 235 KB region were prepped with the Qiagen Maxi-Prep system. Ten micrograms of DNA from each cosmid preparation were sonicated in a Heat Systems Sonicator XL and end-repaired with Klenow (USB) and T4 polymerase (USB). The sheared fragments were size selected between three to four kilobases on a 0.7% agarose gel and then ligated to BstXI linkers (Invitrogen). The ligations were gel purified on a 0.7% agarose gel and

cloned into a pSP72 derivative plasmid vector. The resulting plasmids were transformed into electrocompetent DH5a cells and plated on LB-carbenicillin plates. A sufficient number of colonies was picked to achieve 15-fold clone coverage. The appropriate number of colonies was calculated by the following equation to generate a single-fold sequence coverage: Number of colonies = size of bacterial clone (in KB)/average sequence read length (0.4 KB). These colonies were prepped in the 96-well Qiagen REAL, and the 5' to 3' DNA Prep Kit, and AGCT end-sequenced with oligo MAP1 using standard ABI Dye Terminator protocols. MAP1 was CGTTAGAACGGCTACAAT.

C. Genomic Sequencing

The MAP1 sequences from the cosmid clones HC182, HC187, HC189, HC195, HC199, HC200, HC201, HC206, HC207, and HC212 were assembled into contigs with the Staden package (available from Roger Staden, MRC). A minimal set of 3 KB clones was selected for sequencing with oligo labeled MAP2 that sits on the opposite end of the plasmid vector. The sequence of MAP2 was GCCGATTCAATTAATGCAGGT. The MAP2 sequences were entered into the Staden database in conjunction with the MAP1 sequences to generate a tiling path of 3 KB clones across the region. The plasmid 3 KB libraries were concurrently transformed in 96 well format into pox38UR (available from C. Martin, Lawrence Berkeley Laboratories). The transformants were subsequently mated with JGM (Strathman et al. P.N.A.S. 88:1247-1250 (1991) in 96 well format. All matings of the 3 KB clones within the tiling path were streaked on LB-carbenicillin-kanamycin plates and a random selection of 12 colonies per 3 KB clone was prepped in the AGCT system. The oligos -21: CTGTAAAACGACGGCCAGTC, and REV: GCAGGAAACAGCTATGACC were used to sequence off both ends of the transposon. Each 3 KB clone was assembled in conjunction with the end sequence information from all cosmid clones in the region.

In some regions, the coverage of the genomic sequence by cosmids was incomplete. Any gaps in the sequence were filled by using standard PCR techniques to amplify

genomic DNA in those regions and standard ABI dye terminator chemistry to sequence the amplification products.

D. Identification of Polymorphic Sites

The assembled sequence of the cosmid clones in connection with the PCR amplified genomic DNA (Figure 2) was compared to the genomic sequence of the unaffected individual (Figure 1) using the FASTA algorithm. Numeric values were assigned to the sequenced regions of 1 to 235,303, wherein base 1 refers to the first C in the CA repeat of D6S2238 and base 235,303 is the last T in the GT repeat of D6S2241 of the unaffected sequence (Figure 1). Table 1 lists the differences between the two compared sequences. Note that previously disclosed (Feder et al., *Nature Genetics* 13:399-408 (1996)) polymorphic sites D6S2238 (base 1), D6S2241 (base 235,032), 24d1 (base 41316), and D6S2239 (base 84841) are not included in the list of new polymorphisms, although they are provided for reference in a footnote to the Table and were observed in the ancestral sequence. In the Table, a single base change such as C-T refers to a C in the unaffected sequence at the indicated base position that occurred as a T in the corresponding position in the affected sequence. Similarly, an insertion of one or more bases, such as TTT in the affected sequence, is represented as "TTT INS" between the indicated bases of the unaffected sequence. A deletion of one or more bases occurring in the affected sequence, such as AAA DEL, is represented as the deletion of the indicated bases in the unaffected sequence.

II. Characterization of Rare Polymorphisms

In this study about 100 of the polymorphisms of Table 1 were arbitrarily chosen for further characterization. Allele frequencies in the general population were estimated by OLA analysis using a population of random DNAs (the "CEPH" collection, J. Dausset et al., *Genomics* 6(3):575-577 (1990)). These results are provided in Table 2.

One single base pair difference, occurring at base 35983 and designated C182.1G7T/C (an A to G change on the

opposite strand) was present in the ancestral chromosome and rare in the random DNAs. This change occurred in a noncoding region of the hemochromatosis gene near exon 7 approximately 5.3KB from the 24d1 (Cys282Tyr) mutation. OLA was used to genotype 90 hemochromatosis patients for the C182.1G7T/C base pair change. The frequency for C occurring at this position in the patients was 79.4% as compared to 5% in the random DNAs. Eighty-five of the 90 patients assayed contained identical 24d1 and C182.1G7T/C genotypes. Four of the remaining 5 patients were homozygous at 24d1 and heterozygous at C182.1G7T/C; one was heterozygous at 24d1 and homozygous at C182.1G7T/C. The primers used for this analysis were as follows.

15 PCR primers for detection:

182.1G7.F 5' -GCATCAGCGATTAACCTTCTAC -3'
182.1G7.R 5' -TTGCATTGTGGTGAAATCAGGG -3'

20 For the detection assay, the biotinylated primers used were as follows.

182.1G7.C 5' (b) CTGAGTAATTGTTAACGGTGC -3'
182.1G7.T 5' (b) CTGAGTAATTGTTAACGGTGT -3'

25 The phosphorylated digoxigenin-labeled primer used was:

182.1G7.D 5' (p) AGAAGAGATAGATATGGTGG -3'

30 A further rare single base pair change was detected at 61,465bp. The inheritance pattern of this polymorphism, C195.1H5C/T (a G to A change on the opposite strand), is identical to that of 24d1. The frequency of T occurring at that position (C195.1H5T) observed in a set of 76 patients was 35 78.5% as compared to 5% in random individuals.

PCR primers for detection:

1951H5.3F 5' -GAATGTGACCGTCCCATGAG-3'

1951H5.3R 5' -CAACTGAATATGCAGAAAAAGTACACC-3'

5

For the detection assay, the biotinylated primers used were:

1951H5.3.4 5' (b) AGTAGCTGGGACTCACGGTGT-3'

1957H5.3.5 5' (b) AGTAGCTGGGACTCACGGTGC-3'

10

The phosphorylated digoxigenin-labeled primer used was:

1951H5.3.6 5' (p) GCGCCACCACTCCCAGCTCAT-3'

15

These rare alleles are thus preferred surrogate markers for 24d1 and are especially useful in screening assays for the likely presence of 24d1 and/or 24d2.

20

All publications, patents, and patent applications cited herein are hereby incorporated by reference in their entirety.

WHAT IS CLAIMED IS:

1 1. An oligonucleotide comprising at least 8 to
2 about 100 consecutive bases from the sequence of Figure 1 or
3 Figure 2, or the complement of the sequence, wherein the at
4 least 8 to about 100 consecutive bases includes at least one
5 polymorphic site of Table 1.

1 2. The oligonucleotide of claim 1, wherein the
2 polymorphic site is at base 61465 of Figure 1.

1 3. The oligonucleotide of claim 1, wherein the
2 polymorphic site is at base 35983 of Figure 1.

1 4. An oligonucleotide pair selected from the
2 sequence of Figure 1 or Figure 2 or its complement for
3 amplification of a polymorphic site of Table 1.

1 5. An isolated nucleic acid molecule comprising
2 about 100 consecutive bases to about 235 KB substantially
3 identical to the sequence of Figure 1 or Figure 2, wherein the
4 DNA molecule comprises at least one polymorphic site of Table
5 1.

1 6. The isolated nucleic acid molecule of claim 5,
2 wherein the polymorphic site is at base 61465 of Figure 1.

1 7. The isolated nucleic acid molecule of claim 5,
2 wherein the polymorphic site is at base 35983 of Figure 1.

1 8. The isolated nucleic acid molecule of claim 5,
2 wherein the nucleic acid is cDNA.

1 9. The isolated nucleic acid molecule of claim 5,
2 wherein the nucleic acid is RNA.

1 10. The isolated nucleic acid molecule of claim 5,
2 wherein the nucleic acid is genomic DNA.

1 11. The isolated nucleic acid molecule of claim 5,
2 wherein the sequence of the nucleic acid molecule is identical
3 to that of Figure 2.

1 12. A polypeptide encoded by the nucleic acid
2 molecule of claim 5.

1 13. An antibody which specifically recognizes the
2 polypeptide of claim 12.

1 14. A method to determine the presence or absence
2 of the common hereditary hemochromatosis (HH) gene mutation in
3 an individual comprising:

4 providing DNA or RNA from the individual; and
5 assessing the DNA or RNA for the presence or
6 absence of a haplotype of Table 1,

7 wherein, as a result, the absence of a haplotype of
8 Table 1 indicates the likely absence of the HH gene mutation
9 in the genome of the individual and the presence of the
10 haplotype indicates the likely presence of the HH gene
11 mutation in the genome of the individual.

1 15. The method of claim 14, wherein the method
2 further comprises assessing the RNA or DNA for the presence of
3 24d1 and/or 24d2.

1 16. The method of claim 14, wherein the method
2 further comprises assessing the RNA or DNA for the presence of
3 at least one of polymorphisms HHP-1, HHP-19, or HHP-29, or
4 microsatellite repeat alleles 19D9:205; 18B4:235; 1A2:239;
5 1E4:271; 24E2:245; 2B8:206; 3321-1:98; 4073-1:182; 4440-1:180;
6 4440-2:139; 731-1:177; 5091-1:148; 3216-1:221; 4072-2:170;
7 950-1:142; 950-2:164; 950-3:165; 950-4:128; 950-6:151; 950-
8 8:137; 63-1:151; 63-2:113; 63-3:169; 65-1:206; 65-2:159; 68-
9 1:167; 241-5:108; 241-29:113; 373-8:151; and 373-29:113,
10 D6S258:199, D6S265:122, D6S105:124; D6S306:238; D6S464:206; or
11 D6S1001:180.

1 17. The method of claim 14, wherein the haplotype
2 comprises at least two polymorphic sites of Table 1.

1 18. The method of claim 17, wherein one of the at
2 least two polymorphic sites of Table 1 is at base 35983 or
3 61465 of Figure 1.

1 19. The method of claim 13, wherein the haplotype
2 comprises at least three polymorphic sites of Table 1.

1 20. A method to determine the presence or absence
2 of the common hereditary hemochromatosis (HH) gene mutation in
3 an individual comprising:

4 providing DNA or RNA from the individual; and
5 assessing the DNA or RNA for the presence or
6 absence of a genotype defined by a polymorphic allele of Table
7 1,

8 wherein, as a result, the absence of a genotype
9 defined by a polymorphic allele of Table 1 indicates the
10 likely absence of the HH gene mutation in the genome of the
11 individual and the presence of the genotype indicates the
12 likely presence of the HH gene mutation in the genome of the
13 individual.

1 21. The method of claim 20, wherein the polymorphic
2 allele occurs in less than about 50% of a random population of
3 individuals.

1 22. The method of claim 20, wherein the polymorphic
2 allele occurs in less than about 25% of a random population of
3 individuals.

1 23. The method of claim 20, wherein the polymorphic
2 allele occurs in less than about 5% of a random population of
3 individuals.

1 24. The method of claim 20, wherein the genotype is
2 C182.1G7C.

1 25. The method of claim 20, wherein the genotype is
2 C195.1H5T.

1 26. A kit comprising one or more oligonucleotides
2 of claim 1.

1 27. A kit comprising at least one oligonucleotide
2 pair of claim 4.

1 28. A culture of lymphoblastoid cells having the
2 designation HC14.

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Polymorphisms in the Region of the Human Hemochromatosis Gene

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ABSTRACT

Polymorphic sites in the region surrounding the HH gene are provided. These polymorphisms are useful as surrogate markers in diagnostic assays for hemochromatosis.

Table 1. Polymorphic Sites in the HH Region *

BASE LOCATION	DIFFERENCE	BASE LOCATION	DIFFERENCE
35-36	AC DEL	20463	C-A
841	T-C	20841	A-T
2662-2663	TT DEL	21059	A-T
3767	T-C	21117	A-G
3829	C-G	21837	A-C
4925-4928	TAAA DEL	22293	A-C
5691	C-T	22786	C-A
5839	T-C	23009	G-A
6011	G-A	24143	T-A
6047	C-G	26175	G-C
6231	G-A	26667	C-A
6643	A DEL	26994	T-C
6698	T-C	27838	G-T
7186	T-C	27861	T DEL
7273	G-A	28132	G-A
7545-7558	TCACACACCGATTGG DEL	29100	G-A
7672	G DEL	29454-29457	TTTT DEL
7933	T-C	29787	T-G
8746	T-G	29825	A-C
9115	G-A	30009	T-C
9823	G-A	30177	A-G
10027	G-A	30400	A-G
10214	C-T	31059	T-A
10828	A-G	31280	C-T
10918	C-G	31749	C-T
10955	A-G	32040	C-G
11524	C-A	32556-32559	TGTG DEL
11674	A-G	33017	T-G
11955	T-C	33026	T DEL
12173-12175	TTT DEL	34434	C-T
13304	G-A	35179	A-C
13455	G-A	35695	G-A
14416-14417	A INS	35702	G-A
14998	C-T	35983	A-G
15564	T-C	37411	A-G
15887	A-G	38526	C-T
15904-15919	CCAAACTGATCTTG DEL	40431	C-A
16019	T DEL	42054-42055	TT DEL
16211	A-T	43783-43784	TTTT INS
17461	A-G	45120	C DEL
19755	G-A	45567	A-C
19949	C-T	46601	A-T
20085	C-T	47255	C-G
20366-20367	A INS		

Table 1. Polymorphic Sites in the HH Region *

BASE LOCATION	DIFFERENCE	BASE LOCATION	DIFFERENCE
47758	C-A	64788	A-G
47994	G-C	64962	G-A
48440	G-A	65891	C-T
48650	T-G	66675	G-C
48680	A-G	67186-67187	ATT INS
50240	C-T	67746-67747	TT INS
50553	G-A	68259	T-C
50586	G-T	68836	T-C
51322	G-C	68976	C-G
51747	A-G	72508	T-G
52474	C-G	72688	C-G
52733	C-A	75323-75324	T INS
52875	G-A	75887	G-C
53631-53637	TTTTTTT DEL	77519	T-C
53707	G-A	77749	G-A
54819	A-G	77908	T-C
55913	T-C	78385	C-G
56225	A-C	78592-78593	AG INS
56510	T-C	80189	T-G
56566	G-A	80279	T DEL
56618	A-T	80989-80990	A INS
57815	A-G	81193	T-C
58011	T DEL	81273	A DEL
58247-58248	T INS	82166	G-A
58926	C-G	83847	T DEL
59406	C-G	84161-84162	CA-GG
59422	G-C	84533	A-G
60221-60222	A INS	84638	T-G
60656-60657	CA DEL	85526	T-G
61162	G-A	85705	G-T
61465	G-A	86984	T-C
61607	A DEL	87655	T-C
61653	T-C	87713	A-C
61794-61795	T INS	87892	C-T
62061	G-C	88192	T DEL
62362	T-G	88528	A-G
62732	C-G	89645	A-T
63364	G-A	89728	A-G
63430-63431	GT INS	90088	T-C
63754	C-T	91193-91194	2209bp INS
63785	A-C	91373	T-C
63870-63871	A INS		

Table 1. Polymorphic Sites in the HH Region *

BASE LOCATION	DIFFERENCE	BASE LOCATION	DIFFERENCE
91433-91434	A INS	133572	A-C
91747	G-A	134064	T-G
93625	T DEL	136999	G-A
95116-95117	T INS	137784	C-T
96315	G-A	138903	G-A
97981	A-G	139159-139160	A INS
98351	T DEL	140359	G-A
99249	C-T	140898	C-T
100094-100095	T INS	141313	C DEL
100647-100648	TTC INS	141343	T-C
100951	C-T	142148	T-C
101610	C-G	142178	C-A
102589	C-T	142433-142434	ATAGA INS
103076-103077	TATATATATATATA INS	143783	C-T
103747	T-C	144090	C-T
105638	A-C	144220-144221	A INS
107024	C-T	144725	A-C
107322	C-T	145732-145733	AAAAAAAAAAAAAA INS
107858	C-G	147016-147017	CG DEL
109019	A DEL	147021	G-T
109579	T DEL	147536	T-G
110021	C-A	148936	T-A
111251	C-A	149061	T-C
111425	G-A	154341	A-T
112644	T-A	154588	G-A
113001	G-C	155464	G-A
113130	C-T	158574	C-G
114026	G-A	160007	C-T
114250	A DEL	164348	A-T
115217	C-G	164499	C-G
117995	G-A	166677-166678	AAAG INS
118874	A-G	167389	G-A
119470	T-C	168506-168507	AGGATGGTCT INS
119646	G-T	168515	T-C
120853	C-T	169413-169414	AA INS
121582	G-A	170300-170301	TTGTTGTTGTTG INS
123576	A-C	170491	G-A
125581	C-T	173428	T-C
125970	G-T	173642	G-A
126197	A-G	173948	T-G
126672	A DEL	175330	T-C
126672	G-C	175836	T-C
128220-128221	A INS	176200	G-C
132569	C-T	176222	T-C

Table 1. Polymorphic Sites in the HH Region *

BASE LOCATION	DIFFERENCE	BASE LOCATION	DIFFERENCE
176524	A-T	193499	C-T
176684	G-A	193738	C-G
176815	T-C	193984-193985	ACACACAC INS
177049	T-C	194064	C-G
177065	G-T	194504	A DEL
178285	T-C	194734	G-A
178551-178552	CTTTTTTTTTTTT INS	194890	A-C
179114-179115	A INS	195404	G-A
179260	C-G	195693	A-T
179281	C-G	196205	G-A
180023	G-C	197424	C-T
180430	T-C	197513	C-T
180773	T-C	197670	G-A
180824	T-C	198055	C-A
181097	C-T	198401	C-T
181183	A-T	198692	A-G
182351	C-T	198780	T DEL
183197	G-A	199030	T-G
183623	A-T	199933	C-T
183653	G-T	200027	G-A
183657	T-G	200439	T-A
183795-183796	A INS	200452	A-G
184060	G-A	200472-200483	AATAATAATAAT DEL
184993	G-A	200559	A-T
185918	A-G	200745	A-G
186036	T-C	200919	T-A
186506-186507	TAAC INS	201816	C-T
186561-186568	TATTATT DEL	201861-201862	42bp INS
186690	G DEL	202662	T-C
186751	T-A	202880	T-C
187221	A-G	204341	C-T
187260	A-G	204768	A-T
187444-187447	CTCT DEL	205284	T-G
187831-187832	C INS	207400	C-A
188638	G-A	208634	T-C
188642	C-T	208718	T DEL
189246	T-C	208862	A-C
190340	A-C	209419-209420	TT DEL
190354	A-G	209802	G-A
190762	A-G	209944	C-G
191260	G-T	210299	A-G
193018-193019	AGAT INS	211142	G-A
193147	T-G	212072	G-A
193196-193197	C INS	212146	T-C

Table 1. Polymorphic Sites in the HH Region *

BASE LOCATION	DIFFERENCE	BASE LOCATION	DIFFERENCE
212379	G-A	231226	A-G
212637-212639	TCT DEL	231447	G-A
212696	T-C	231835	A-G
213042	T-A	232400-232402	AAA DEL
214192	A-G	232402-232403	G INS
214529-214530	TTTTTTTTTTT INS	232515	T-C
214549	T-C	232703	G-T
214795	C-T	232750	A-G
214908	T-G		
214977	A-G		
215769	C-T		
215947	C-A		
216232	A-G		
217478	G-A		
219052	T-C		
219082-219083	ATATATATATATATATATAT INS		
219314	C-A		
219327	G-A		
219560	C-T		
219660	C-T		
219889	G-A		
220198	G-T		
220384	G-A		
220451-220452	CAAAAAA INS		
221363	G-A		
221645	G-A		
222119	T-C		
222358	A-G		
222367	A-C		
222686	A-G		
222959	T-C		
223270-223271	TT DEL		
223283	T-C		
224964	T-C		
225232	A-C		
225366-225367	TTTT INS		
225416	G-C		
225486	T-C		
226088	A-G		
228421	A-G		
230047	G-A		
230109	G-C		
230376	C-G		
230394	A-G		

* D6S2238 occurs at base 1. 24d1 occurs at base 41316. D6S2239 occurs at base 84841. D6S2241 occurs at base 235032

Table 2. Polymorphic Allele Frequencies

Location	Frequency of ancestral	Frequency of unaffected
	variant in random chromosomes	variant in random chromosomes
232703	53%	47%
231835	53%	47%
230394	85%	15%
230376	25%	75%
230109	53%	47%
225486	45%	55%
225416	75%	25%
220198	43%	57%
219660	58%	42%
219560	53%	47%
214977	65%	35%
214908	50%	50%
214795	24%	76%
214549	53%	47%
214192	65%	35%
210299	53%	47%
208862	80%	20%
208634	48%	52%
207400	25%	75%
205284	50%	50%
204341	53%	47%
202880	58%	42%
202662	98%	2%
200027	25%	75%
199030	58%	42%
198692	55%	45%
198401	55%	45%
198055	55%	45%
195693	60%	40%
195404	25%	75%
194890	55%	45%
175330	53%	47%
173948	83%	17%
173642	55%	45%
173428	80%	20%
168515	80%	20%
160007	18%	82%
149061	58%	42%
148936	82%	18%
147536	100%	0%
147021	46%	54%
141343	55%	45%

Table 2. Polymorphic Allele Frequencies

Location	Frequency of ancestral variant in random chromosomes	Frequency of unaffected variant in random chromosomes
140359	55%	45%
138903	55%	45%
132569	81%	19%
125581	18%	82%
121582	80%	20%
120853	18%	82%
118874	85%	15%
115217	50%	50%
113130	40%	60%
113001	48%	52%
107858	48%	52%
103747	50%	50%
96315	25%	75%
91194	80%	20%
90088	75%	25%
89728	50%	50%
89645	50%	50%
88528	63%	37%
87892	75%	25%
87713	60%	40%
87655	50%	50%
86984	79%	21%
85705	50%	50%
85526	50%	50%
84638	50%	50%
84533	50%	50%
82166	78%	22%
81193	58%	42%
80189	50%	50%
78385	80%	20%
77908	88%	12%
68976	50%	50%
68259	51%	49%
66675	80%	20%
62732	50%	50%
62362	40%	60%
61653	48%	52%
61465	5%	95%
61162	60%	40%
53707	100%	0%
52875	50%	50%
52733	74%	26%

Table 2. Polymorphic Allele Frequencies

Location	Frequency of ancestral variant in random chromosomes	Frequency of unaffected variant in random chromosomes
52474	47%	53%
50586	50%	50%
50553	50%	50%
50240	50%	50%
48680	53%	47%
48650	63%	37%
48440	50%	50%
47255	50%	50%
46601	53%	47%
45567	49%	51%
41316	5%	95%
40431	20%	80%
38526	23%	77%
37411	70%	30%
35983	5%	95%

1 CACACACACA CACACACACA CACACACACA CACACAAATG AGGTATATAA AGGGTCTCCT
61 AAAATGTCAT CTGATATTG TTATTTCTATA TTCTCAGATT TTTAACCCAT TTAGGTAGGT
121 CTATTTAGA TAGCCTTGTC TGAAACAGAG CTGGGACCTG ATGAGTGAAA ATGAGCTCAC
181 CAGAAGAAAA ATCAAACAGG CATTTCAGAG ATTGAGGCCA AGAAGTTAAA TGTCTTAAAT
241 GGGCAGAGCT TAGCTGCTTG ATGTGAAAAG AGACCAGCGT GGCTGGAACA GCAAAGGAGA
301 ACAGCAGAAG AGGTGAACAG AGGCCAGAGA TGTTCACTGA GTGGGCCCTT AAGTCATGGT
361 AAGGAGTATG GAGAATGAAT TATTGCATGT ATTGAATATG TAGGTGACGT GACTCACAGA
421 TACTTTGGAT TTCTAGAGAT GAAGGAAATG TAGCAAGTGA CACTCTTAGA ATGTTGATTT
481 GAGTAAATGG TAGTGTCACTG TATTGAACCTG GGGAGAACTG GAAGGGATAA CAGGCTTAAG
541 GAGCACGTTT ATTCCTGTGT CTTGGAAGTG TTTAGGGTGA AAGACCTATT AGAGTTCTAA
601 ATGGAGATGT CAAGTGAAGA TGTGGCTACA CACATTGCA TTTCAGAAAA AAGGTCAAGGC
661 TGGAGATGTA AAATTGGAAG TTTACTGCAT ATAGATAGTC TTTGGAACCG TACTTATTGAT
721 GAAGCCATTA ATGAGACAGA ACAAAAGACTA GGGACCAGAG CCAAGCTCCA AGTTTCTAAA
781 ATTTAGAGGA TAGTATAGTC TGTTCACTTT GAGGTGAATA CTAAATAACA GAACAATTG
841 TTGAAGTGTAA ATTTCAGAGC CCTACACTTT TAGCTCTGAC TATTAACGAA TACAGGAAAG
901 AATGGATATG GTTATCTGCC TGGTGTCTGT GAAATAATT AAGCCAGGAA GAGATCCTCA
961 CCAGAAACTG ACTATGCTGG CAACTTGGAT CTTAGATTTC CAGCCTGCAG AATTGTTAGA
1021 AAATAAAATGT CTATCGTTA AGCCACCAAGT CTGTTAGTATT TTGTTATGGC AGTCCAAGCT
1081 GACTAAAGTT TGTTACCCAG GCGTGGGATG CTGCAACAAAC AAATACCTAA ACATGGGAA
1141 GTGGCTTGG AAATTGGTGA TGGGTAAGG CTGGAAGAGT TTGAGGTTCA TACTAGAAAA
1201 AGCCAATTGT GAAGGGACTA TTGAAAGAAA TATGGACATT AAAGGCAATT CTGGCAAAGG
1261 CTCAGAAAGG AAGAGAGCTG GACAGAAAGC TTCCATTTC ATAGAAACTT AGATTTATAA
1321 CGATCATGGA TAGAATATTA AATATGCTGG TTAAATATG GACTTTAGGC CAGGCGTGGT
1381 GGCTCACGCC TGTAAATCTCA GCACATTGGG AGGCTGAGGG CACAGATCAC GAGGTCGGGA
1441 GTTTGAGACC AGCCTGGCCA ATATGGCGAA ACCCTGTCTC TACTAAAAT ACAAAAATTA
1501 GCTGGGCATG GTGATGTGCT TCTGTTGTC CAGCTACTCG GGAGGCTGAG GCTGAAGAAT
1561 CGCTTAAACC CGGGGGGTGG AGGTGCACTG GACCCAAGAT CACACCACTG CACTCCAGCC
1621 TGGGATACAG AGCAGGACTC CACTCCCCCCC GCCACACACA CACAAAAAAAT ATATATATAT
1681 GGACATTAAA GTCAACTCTT GTGAGGTCTC AGATGAAAAT GAGGGACAGG TTATTGGAAA
1741 CTGTAGAAAT CACTGTTCTT GTTACAATGT GTCAAGAACT TGGCTGAATT ACGCTGTAGT
1801 GTTTACTGGA AAGAACTTAT AAGCAGTAAA ACTGGATATT TACCAGAAGA GATGTCTAAG
1861 CAAAGTATTG AAGGTGTGAT TTAGGTCTC CTTACTGCTT AAAGTGAAT GTGAGAGGAA
1921 AGAGCCGAAA TAAAGAAGGA ATTTTTAAGC AAAACACAAT CAGAACTTGG AGATTGTTGG
1981 TAGATTCTC AATCTATATT GTAAAAATTG AGAAAGTTT TCTTGAAGAG GTATGGTTGA
2041 ACAATGTTT CTTTTCTTT TTTTTCTTG GTTTTATT TATTGTTATG TTTTTTGAGA
2101 CAGGGCTGG CTATGTCATC CAGGCTGGAG TGCACTGGCA CAATCTCAGT TCAGTGCAAC
2161 CTTTGCCCTTC AGGCTCAAGC AATCCCTCCA CCTCAGCCTC CTAAGTAGCT GGGACTACAT
2221 GTATGCACCA CCACACCCCTG GCTAATTTT TGTTGTTGTT TATAGAGATG GGTTTTGAC
2281 ATGTTGCCTA GGCTGGCTC TAACTCCTGA GCTCAAGTGA TCTGCCCTCC TCAGTCTCCC
2341 AAAGTGTGG GATTACAGGC GTGAAACACT GAGCCTAGCC TGAACAAACCA TTTGATAAAG
2401 AGATAATGGG TGTGACCCAA GGATTAAATC AGCCATCTCA GCAGAAGCCA GGAAGAGAGA
2461 TGGGATTATT CCAGCAGAGA CACTGCCAAT TTAAACTAAC GTAGGCAGAG AAAACAGAAA
2521 GGAACAAAGG AAGGTGTGCG ACTTTTGAA TTCTATAGAA CAGGATCATA GAGCTACCTG
2581 GCTGTCATG TGTACTATTG TTAAAGAAAA GGAAAGACTG ACCCACCAAA GGCAACTTAC
2641 AAGATCACTA GGGCTGACTC TTTGTTTTT TCTTGAGGCA GTCTCACTGT CACCCAGGCT
2701 GTAGGGCAAT GGTGTGATCT CAGCTCACTG CAATCTCCAC CTCCCAGGTT CAAGGGATTC
2761 TCTTGCCCTTA GACTCCCAAG TAGCTGGGAT TACAGGCTCT AAATCTGTAC CCTCCCGAGT
2821 AGCGCTCCTG CCACCACTTG CCCAGCTAAT TTTGTATT TTAGTAGAGA TGGGGTTTC
2881 CTATGTTGGC CAGGCTAGTT TGGAACCTCT GACCTCCAGT GATCCATTCT CATTGGCCTC
2941 CCAAAGTGCT GGGATTACAG GCAGGAGCCG CCAGGGCTGC CACTTTGATG TCAGACTCAG
3001 AGAGTACAGA TGGGATAGGG TGGGGTGGG AACATGTAGT CAAGGCTGAC TCTACCTGTT
3061 TCAAAGATGC CCTGCAGAAC TGTGTGGGAG TCTCTCACAG ATGGCTGCCT GGGTGGGACC

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3121 CCACCAAAC GAAAGACCGA GACTTCAGGC AGGGCAGATG GAGTAGGCCA ACTACAGAGC
 3181 CAGAGGTGAC ACTGAGACAC CACTGGCCT GGAAATCAGG GCATCAAGCC AAAGAGGGTT
 3241 TTTCTTAAGA CCTAACAGAA TTTGCCTTGC CAGGTTTGG ACTTGATTAG GACACATTAC
 3301 ACCTTCCTTC TTTCTTATT CTCCATTTC TAATGGGAAT GTCTATTATG CCTGTTCAC
 3361 CATTGTACCT TAGAAGCATG TAACATTCT GGTTTACAC GTTCAAAGCT GGAAAGGAAT
 3421 TTTGTCTCTG GATGAATCAC ACATTGAGCC TCACCCGTAA CCTGATTTAG ATGATTTTT
 3481 AGATGACACT TTGAACCTTA GAATTGATGC TAGAATGAGT TAAGACTTTC AGGGGGCTGT
 3541 TGGGATGGAA TAATTTTTT TTTTTTTTG AGACGGAGTC TAGCTCTGTC GCCCAGGCTG
 3601 GAGTGCAGTG GCACCATCTT GGCTCACTGC AAGCTCTGCC TCCCAGGTTT ATGCCATTCT
 3661 CATGTCTCAG CCTCCAGAGT AGCTGGGACT ACAGGCGCCC GCCACCACGC CTGGCTAATT
 3721 TTTTTTTTAT TTTAGTAGAG ATGGGGTTTC ACCGTGTTAG CCAGAATGGT CTCGATCTCT
 3781 TGACCTCTG ATCCGCTGC CTTGGCTTC CAAAGTGTG GGATTACACG TGTGAGGCCAC
 3841 CATGCCCGGC TGGGATGGAA TAAATTATC TTGTATGGGA GAAGGACATA CATTGGCA
 3901 GGTCAAGGAC AGAATGTTAT GGACTAAACT GTGTCCCCCA AAATTCAATT ATTAAAACCC
 3961 TAAACCCAG TGTGACTGCA TTTGGACATA GAGCCTTTAG GGGGTACATA AAACATAAAGA
 4021 TCACAGGATA GGGCCCTAAT CCCATTGGG CTGGTGTCT TACAGAAGAT GAGACACTTA
 4081 GAGCTCTCTC TCCACGCAGG CACCAAGGAA ACACCATAAC AACACACAGT GAGATGGCAG
 4141 CCATCTGTTA GCCAGGAACA GATTCTCACC ATAAACTATG TTGGCACCTT GATCTAAAC
 4201 TTCCAGGCTC CAAAATGTG AGAAAATGAA TTTCTGTTCC AAGCCTCTTA GATATGGAAA
 4261 AAAAGATTCT GTTGTAAAG CCATCCAGTC TCTGGTATTG TGTTATGGCA GCCTGAGTAG
 4321 GCTAAGACAA TGAAGGATGT GGTAAAACCTT TACGTCCCAA CCACATACCA AAGAGGCTGG
 4381 AATTAGCAT GCTTCTCT TTCAACTGTA GGCAATGTGC ACAAGTTCTA AATCCTAAGA
 4441 CATGTTGGCT CTTTACTCT GCCCAAACCA CAACTCAAAC AAACAATGT AATATAATAA
 4501 CATCCAATGA AGTCTGACA TTTCTTCAAC ATGAGTACAG TAATTCAATG CCAGAGAATT
 4561 CATTATTTTG TGAAATCTAC ATGCCATATT CCAATTCTG TTGAAGATGC AATGGTTATA
 4621 TTTATTCTT TTAATATAGA TTTATCAGAC TGGGCGCGGT GGCTCATACC TGTAACTCTA
 4681 GCATTTGAGA GGCTGAGGTG GGCAATATCAC CTGAGGTCAAG GAGTTGAGA CCAGGCTGGC
 4741 CAACATGGTG AAACCTGTCT TCTACTATAA ATATAAAAAT TAGCTGGGTG TGGTGGTGCA
 4801 TGCCCTGTTAGT CCCAGTTACT AGGGAGGCTG AGGTAGAATT GCTTGAACCT GGGAGCAGGA
 4861 GGTTGCAATG AGTGGAAATC GCACCAGTAC ACTCCAGCCT GGATGACAGA GCAAAATAAT
 4921 AAATAAATAC ATAAAATAGA TTTATCAGTT TATCAATAAT ATAGTTTCT TTTCTAGGTG
 4981 TAAATATAGG TAATGACTGT CTTTAGTAC ATTTCTCAT GATGCTCCTC TTACTTGGTT
 5041 TGGTACAATA TTAAGTATTG AAATAAAAATA GAGAACCTG TCGCTACACA TGAGCACTTA
 5101 TTCCATTGTC TCATCTCAA TATGCACGGG AAATTCTCAA ATTGCTAATA ATCTTGTAAAC
 5161 ACACATGCAT TATATTCAAC AGGAATATAT AAATTATAA TTATAATTAA GGATCAACAG
 5221 ATGACAAACC TTTAGAAGGT TTGTATTAA CCTTAAAATA TAATTTTTA AAAATTGGTT
 5281 ATAAAATTC TAATACCTTC TTTTTGTGA CCTCAAGGGG AAAATATAAT TCTTATAAAA
 5341 GTTCAAATGA TTTACAGAAT ACAAAAAGTG AATAGAGATG ATGAATGAAT TAAAGGAAAG
 5401 GATATTGCTA CATAGATTG GAAATTAAA AAGGGAAATT ACGATTGTTG ATTTGTGTT
 5461 AAACTGATCT GCTTGTTC AGATACCTTA TGACCAAAA AATGATTAA TCTCAGCCTC
 5521 ATATCTCAGT AAATTCCTGA GACAAACTT AGTCCCTGGT GCCCAGGTGC CTTGGTAAT
 5581 TGGGAGACCT CTAGGTTTAG CATCCTCATC CACTCGCCCC AATTAAATA GTCCCTCCCCA
 5641 GGGCATTCA GGCAAGGGAG ATGAAAACCTT GCTCAAGAGT TGGAATCCAA CTGAAGCTAC
 5701 CGAAATTCTCAT TGCTCAATAG ATAATTTCCT CGGAAAGTAA CTAGGCTTT TGAATATAAT
 5761 AGTGGCATT TCAAAGTAGA AGGTAAAGTA TTTTGGAGAT GAGGAGACAG GACAGAGCTA
 5821 CGAGGAATGT CCTTGTCTTA GGGACTAGGC TCTTAGCAGT ACCTCTTAGG TAAGAACTGG
 5881 TTAACTGGCA CCTCTGTGT TTCTCTGAAG CTCCCTTGC TTAGGGACTA GGCTCTTAGC
 5941 AGTACCTCTT AGGTAAGAAC TGGTTAACTG ACACCTCTA TGTGCTGAA GCTCCAGAA
 6001 CAAACTGCCA GTGAAATTG GATTTTGGG ATATAGTTT TTTTTCTTG TTACTTTTG
 6061 TTTGTGTT TTTTTTGAG AGTCTCACTC TCACTGCAAC CTCCCCCTCC TATATTCAAG
 6121 TGATTCTCTT GCCTCAGCCT CCCGAGTAGC TGGGACTACA GGCGTGCAC AGCATGCCA
 6181 GCTAATTGTT GTATTTTTA GTAGAGATGG GGTGGGTTT TTTTGAGAC GGAGTTTCAC
 6241 TTTGTGCCCG AGGCTGGAGT GCAGTGGCAC GATCTGGCT CACTACAACC TCCACCTCCC
 6301 GGGGTTCAAG TGATTCTTCT GCCTCAGTCT CCTGAGTAGC TGGGACTACA GGCGCCTACA

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6361 GGTGAACACC GCCACACCTG ACTAATTGT GTAGTTTAT TAGAGATGGG GTTCGCCAT
6421 GTTGGCCAGG CTGGTCTCAA ACTCCTGACC TCAGGTGATC TACCCACCTC AGCCTCCCCA
6481 AGTGCTGGGA TTACAGATGT GAGACACCAG ATCAGCCTCA GAAGACATTT TCTATTGGAA
6541 AGAGAAAACA CTATTAGCAA CCTATTAGTC TAATATTAA TACTTAATGT CTTCCCTTAGT
6601 AATAAACCAA CTCTCTACAA CAAAGTGCTT CCTGGCTGCC TAAGTCATTG ATTCAATTCA
6661 TTCAACATTT TCTCAATGCC CAACAGCCAA GTGTCTCTG TATGCCAAGT TCTATGCTGA
6721 TTATCAGTAT TTGAATAAGA GGGGGTCTAC ATCTTAAGTA CTGCTTAAGA TGAAAGCCTC
6781 TAGGTTAACAA AACTTAACAC AATGTATCAT TCACTACTAA ATAGACCGAA TACAAAATCT
6841 TGTTATTGGA GCCCAGAGAG AAGAATTGAA ATTCAAGTTT TCTCTCTC CTTTTCTCAC
6901 TCACCACAAAT AAGTCAGTTG CACCAAGTCT TGAGCTCTT TACTGAGCCA TGTTTCACG
6961 TGTCCTTTG TTTTATTGTC CACACCTAA ATAAAAATTG TACTGGCTTT TTTTCCCTGG
7021 GTTTACAGTA TTAATACATT GTCAAGATTT ACCTCTCGT GTAGATTCCC TGGGGAAAAT
7081 TACCTTCCT CCTCCCTTA AATTCTCAG AGTTAGAAA GCCATTAGTA ACATTCTGGT
7141 ATGTGGACAA AGTTAACCA TTATGTATGG ATGTTTACT CTTTCTATTT TTCTGACAAT
7201 AATCTCTTAA GGAGGTGTGG TTATAGAATA GTCAAGCTT ACCTCTCGT GTAGATTCCC TGGGGAAAAT
7261 CTTACAACTT AAGTTCTTTA AGCTGTTCT TAGTTGCTC ATCTCAAAAT TCGGAATAAG
7321 GATAAAACCT ATCTCTTAGA TTGTTGGATT AAATGAATTA ACATACTGGA AGCTCATGAA
7381 ATGTGCCTGG CACACAGTAG TGCTTAATA ACCATCTCTC TTATTCTGCC TGTTTCCTGA
7441 TTTCAGAACATC TACACTTGCT GAGCCAGGTT CTTTCATT TCAAGGTGAGC AAAAGCATA
7501 AAGGAAGAGA TGGAGGTAGG AAGAGATTAA GCCTAGGCC AAGGTCACAC ACCGATTGGG
7561 AGCTGGAATC AAAGGCAATT TGGTCAGTGA ATAAAAAGGA TTCCAAGGCC CATAAGGCAA
7621 TTCTAACCTT AGGATCGAAA TTCTCGGACA TACAGGAAAT GCTGGGGGG GAAAATCCGG
7681 TCTTCTCAGC CCAAGAGCCA TGTGAAACCA GACCTTCAAA TCTGATGATT CTCAGCCAG
7741 CTGCCCATTA GAATCGTTGT AATTAAAAA TACCCCTCGGA AAATTCTAAT ATGTGGCTAT
7801 CAAAGGTGAT CATTGCTTT TATGCCACTT TGTTTCACC CAAATGGAC ATCCAACCT
7861 TTTCCTTGA GAGTAGTTGT AGGGAAAGGA GGGGGTGGAG GGAGGGAAAGA GCGGAAAAGG
7921 CTGGATCCGC CCTGAGGCCG TGTCAGTATC TGGAAGTGG GAGGCCGTC AGCAGTAAAC
7981 AGCTTCTGCT AGGATTATTA TCTCCTGCCA CACACTCGGA TTTGAAGGCT CAAACAGAA
8041 CAATGCAAAA CGCTTCAGTG GAGTTCCAGA AGCGTTAGAC TAAACGACTG GGTCTGTTG
8101 GCCAGTCTGA GCAGCTGGGC GCAGATGCAT AGGCAAGACT TAGCCCGCT AGACTTTCT
8161 GCCCACTTAA TTCCGATCAA AGCAGAAACC GGCGGGGCCG GGTGGCTCAC GCCTGTAATC
8221 CCAGCACTTT GGTAGGCAGA GGCTGGCGGA TCACCTGAGG TCAGGAGTTC GAGACCAGCC
8281 CGGCTAACCT GGTGAAACTC CGTTCTACT GGTGGCGGGC GCTTGTAAATC CCATCTACTA
8341 GGGAGGCTGA GGCGGGAGAG TCGTCTGAAC CCGGGAGGCG GAGTTGTAT GCAGTGAGCC
8401 GAGATCGCGC CACTGCATTC CAGCTGGGC AACAGGAGCA AAACCTCGTT TCAAAAAAGC
8461 AAGCAACAA ACAAAAAAAT GCAGAAACCG AGATCCGGAA GAAAACCTCG GCGAGATTCA
8521 CAGAATCCAG GAAAATAGGT CTCTAGAAAT TTGTCATGG TCCCCAGATCT CCATTCTTG
8581 TGGGTGGGGC AGCTGTTTAC AGATCCTAG AAGCAAAGGT TTTTTGGGG GACCGTGTCT
8641 CACTGTTGCC CAGGCTGGAG GGCAGTGGCA CGATCTCGGC TTACTACAACT CTCCGCCTCC
8701 CAGGCTCAAG CGACTCTCCT GCGTCAGCTT CAAGAGTAGC TGGGATTACA AGGTATGTGC
8761 CACCACGCC AACTTATTTC TTTATTATT ATTATTATTAGT AGTAGAGAGG TGTTTCACCA
8821 TGTTGGCCAG GTAGTGTGCG AAGTCGTGAC CTCAGGTGAT CAGCCCCCTC GGCCTCCCCAA
8881 AGTGGTAGGA TTAGAGGGGT GAGCAGAAAG CAAAGGTTT TGAGTGGCCA CAGGCCAAC
8941 TCTATTCTT TTTCTGCCCTG TAATGCCAAC CTAGACGCTT GAGCTCTTA AAATACAAGA
9001 GTAAGTTGCA TGTCAAGGCAC CGTTCTACAT TAGGGACATT AGTCTGTTT ACAGACACCT
9061 TTCAACTCCC TGGTTAACTT TTAGGTAAATA TACTCTGCAC TTTAGCAGGA ATGGGACCTA
9121 TAACTCTCAC AGAATTAGGA AAGTGAGGCT GCCTACAGCC TAAATTGAGA AAAAAATAGA
9181 CGGGGGACTA GTCGGAGGAC CAAACAAGGT TACCAACAGC TTAGAGTTT GCCTTCAATT
9241 TACATTTTA AAGTAATCAC AACGAAGTGT TTAGATCAGG AGGCATCCCT GCATGTAAAC
9301 TGTTAGGCAC TAACTATGGT CGATCTTACA AAGCATTAAAC TAGAATATTG CTTTAGAGTA
9361 TGATAGTACG TAACTGACCT ACTATTACAT ACAAAACAGAC CAACCTTCTA TAACAGCGCT
9421 CCCCAAAAAC CGAAAAGCAG TAATACGCTT TGCTCAAGGT TGGCATAAAA TTAACCTTAC
9481 TTAGTGCCTT TTTCCCTCT ACCTACAAAGC AGTGAGGTTA GCTCTCCTT TGAAACGGTA
9541 GGGGGCTCT GAAAAGAGCC TTTGGTTTG ATAGCGTTTC CGGGAGCTCA GATACCTGTC

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9601 AAATCACTTG CCCTTGGCCT TGTGGTGA CTCGGTCTT TTAGGCAGAA GCACGGCCTG
 9661 GATGTTAGGA AGGACGCCGC CCTGAGCAAT GGTCAACCGG CCTAGCAGTT TGTTGAGCTC
 9721 CTCGTCGTTG CGGATGGCCA GCTGCAAGTG GCGCGGGATG ATGCGAGTCT TCTTGTGTC
 9781 GCGAGCCGCG TTGCCGGCCA GCTCCAGGAT CTCGGCGGT ACAGTACTCTA ACACCGCCGC
 9841 CAGGTACACC GGCGCAGCTG CCCAACCCG CTCTGCGTAG TTGCCTTAC GGAGCAGGG
 9901 GTGCACTCGG CCCACCGGGA ACTGGAGACC AGCGCGAGAA GAGCAGGATT TCGCTTGGC
 9961 GCGAGCTTG CCTCCCTGCT TACCACGTCC AGACATTGCA ATCAGACAAA ATCACCAAA
 10021 ACCAGCGGCC TAAGCTCACG AGAAAACAAA CAAAATCAAG AAATATGTAA AACATGGCCG
 10081 CTTTTATAGG TAGTTCCTGG GGAGTAAATC CGACTTTTG ATTGGTCGGT AGCAAATGCT
 10141 AGTCAGATAG CCAATAGAAA AGCTGTACTT TCATACCTCA TTTGCATAGC TCTGCCACG
 10201 GATGACAAC GTGCAGTTG TCTTCCAATT AACTAAGAGG TACTCTCCAT CCCTCATTAG
 10261 CATAAAAGCC CTATAAGTAG CAGAAATCCG CTCTTACTT TCGACACATT TCTGGTGT
 10321 TAAGATGCCT GAGCCAGCCA AGTCTGCTCC CGCCCCGAAG AAGGGCTCCA AGAAGGCAGT
 10381 GACCAAAGCG CAGAAGAAAG ATGGCAAGAA GCGCAAGCG AGCCGCAAGG AGAGTTACTC
 10441 TGTGTACGTG TACAAGGTGC TGAAACAGGT CCATCCCGAC ACTGGCATCT CTTCCAAGGC
 10501 CATGGGCATC ATGAATTCTT TCGTTAACGA CATATTGAG CGCATCGCG GCGAGGCTTC
 10561 CCGCCTGGCG CATTACAACA AGCGCTCGAC CATCACCTCC AGGGAGATCC AGACGGCCGT
 10621 GCGCCTGCTG CTTCCCGGAG AGCTGGCAA GCACGCCGTG TCGGAGGGCA CCAAGGCCGT
 10681 CACCAAGTAC ACCAGCTCCA AGTAAACATT CCAAGTAAGC GTCTAACAC CTAACCCCAA
 10741 AGGCTCTTT AAGAGCCACC CAGATACCCA CTAAAGAGC TGTGGCCAGA CGCCAAATT
 10801 TATTGGCGG CGGAGGGTA TTAGAATATA GGAACGGAG AGGGGTGGGG ACAAGTGTG
 10861 CAGCTTAGAG AGGGACAAAG GGTCTGAAC CCGAAAGAAAG CCAGCCATTA AAAATGGCTT
 10921 TGGGGTCAAT TCGTTGTGCT TAAATTAAA ATGGAGACAA GCGGCCATTT TGCTAACTCG
 10981 GCGTTCCCGG AAGAAACCGC AGGCTCGCTT AGGTTTCAGA CCCAGCTGTC TGTCCCTGTC
 11041 TACGTCGCCA GGATCAACGG TTGCCGTAAAT GTCATAATT CGCCACCAGC TTCTAGCCAA
 11101 TAGGCTGTCC TGTCACTTTA AATATTAACC AATCGAGGGAA AAGCTGTTT GAGACTCTGA
 11161 TTTACATAGC GGACCGGAGT GGGAACCTGG GCAGTAACG CCTAAGGAAG GACTCCCCCT
 11221 CTGTTTCGT GGCGCACACC TTCGTAAGT ACTGAAGGGT GTGTCTCCTG GGTTTCCAAC
 11281 TGCCCCGGTA ATAGTCTTTT AACCTAATAT GCGTCAGTT TGATAACAAC ACTAAGGCAG
 11341 TACAGAACTA AAGATGTAAG CACTGCCA GATGTTGCTT CATAACATCTT ATTCTATTCA
 11401 ACTGGTTTAT TCAAGATTCA AATCAAATCA AATTGCTT GAATCCCAGT GCTCAGTCAG
 11461 CCATAAAATGG TGTGTTGCCT GATTGAAACT TAAAATCTCC GTAGGGGGCT TGTAACATGC
 11521 AGACAAGTTT GAAAGTTGCT TTAGGGAGAAG CCAACTCTTA ACTGCTGGGT AAATTGACAA
 11581 GCCTTCGAAC ACTGAACCTGA AGGCCAGTAA GGACTAGGCG CTGGGTGGGG GAGAATGAAG
 11641 AGGAGACGTC ATTAAACTTA GCACATACAC TGTATCTCCT AGAGGACTCT CCCTTCCTAG
 11701 ACAACTGCCAG GCCGCTTTGT GGCTGGAA ATTCCACATT CCCTTAAGTA TTTTACTCAT
 11761 GGTCTTTCC AGGTAAAGAT TTTAAGATGA AGGGTTAGAC GTAGTCTACC TATCTTTTA
 11821 TTCAAGTCTA GAACACGTTT TTAGCACCTA GAAGTTGCT TTCTCCATTA AAAACCGGGA
 11881 ATATACAATA AATAAAATTA GTGTTAAAGC AGATTTTAC AAACTTAAAT ACCATGTAAT
 11941 TTAGGTTACA GTTATTTAAC ATAAGGACTG TGTGATCTTA AATCTGCAAT TTCTTCACA
 12001 CCTGGGAAAT AAACTAAGGC CTGTCTTGG TGCCAGACAA GGCCTTATAC TTGAACACTG
 12061 CTGTGCAATC ACAGGCTGCC TTGCCTAGAT AACTTATCTG AGAAATTCTG ATGAGAAATG
 12121 AAATTCAG AGTCCCTCAC AAGTAATTT TTTTTCTTT TTTTTTTTT TTTTGAGAC
 12181 GAAGTTCTC TCTGTTTCC CAGGCTGGAG TCCAATGGCG CGATCTGGC TCACAGCAAC
 12241 CTCCGCCTCC CGGGTTCAAG CCATTCTCCT GCCTCAGCCT CCGGAGTAGC TGGGATTACA
 12301 GGCATGCGCC ACGACACCCT GGCTAATTTT GTATTTTAG TAGAGACGAG GTTTCTCCAT
 12361 GTCGGTCAGG CTGGTCTGA ACTCCGACCA TCAGGTGATC TGCCCGCCCTT GCCCTCCCAA
 12421 AGTCCTGGAT TACAGGCTTG AGCCACCGCG CCGGGCCTAA ATGGTTTTTT TTTTTCTAT
 12481 GCCTCTAATG GACCTGGTCA CTTATTCCCA TTCAGACTGA CCGCTCTCCT ACCTGCCAAC
 12541 TAACTAATCA GTGTAACCAA AATCTGCAA CAAAATTCAG TATTCTTCC CCGCCTTTTC
 12601 CCCTTCTCT TACATAGATT ATGTTTTGC CTGTGTTAGA TGAAATAATT CTATTGCTTG
 12661 TTCTCTCTC TGTACAAGTA CCCAGTAAGC AAATTATTAA CTTCTGGTC ATTTATTTCT
 12721 GAATTTCCA CCAAGACAGT GTTATGTGA GTCATACAAT AAGAACCAAC AGAAATGTGT
 12781 GTCTGGAAA CAGGTTGTCT ATCCCTGGAC CCTTGAGTT TTCTGTTCAC TTTCTTTGG

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12841 CTTTTGCATG CTAAAAGTTT ATCGTCGCG TTTGTTGTT TTGGTTATTCTA ATTGGACT
 12901 TGGCTGATTG GTTGCATATT GGTGGCAGTA GTAGAAATTG AATTCTGGTT TTCTGGTCAC
 12961 ATCATTAAGT GATTAGTCAG TGGAGAGGAC AGGAAATCTG GTTTATTCTA TAACCTTTT
 13021 TTGGGGTGTGTT TTTGTTGAA GATGTTGATA TTCTCTGTGA GGACACAGGG TTAGAGTTGG
 13081 TGTTTTCTTCTT TCTGACTTTA CATGGGATTG GATGTTTGTG GCTTGTATGC CTCTTCCAC
 13141 CTTCCAAAAC TTGTCTTTTG TGAGTCCAAA TAGTTGTCGA TATCTGCAA ACCAGTATTCT
 13201 CTGTGTTAACG ATGATATGAA TATAAAATGG CTGCCCTGTT ATAACCTTTG ACTTTAAGAA
 13261 AGTGTAGGA CTAACAGGAG ACAAAAAGGA AATCAAGGAA ACCGAATGTC TGGTCTCAAT
 13321 AACTGCTATG GCAGAGGCTC TACAGCTTAT TATTAATTCTA AGTAATTCTA CATTATTGCC
 13381 CCTTCACGTT CTTTAAGTAA GGTTAGAGGA CAGAAGAAAC ATAATGTTGT TACAAATTGG
 13441 ACTATTGAGT CAGGGAAAAAA AAAGAGTGCT TCAATATCT GAATAAAACA AAGATTAAAT
 13501 ATTTTCTAAA CCTTAACGAG TTTATTGTAA GGGATGTGAT GCTGGAAACT AGGAAACTAG
 13561 AATTTCTTC TAAACTGAGA ATCAGAATTATTCATATTCT CAGCAGTGGT GCCACCTGAG
 13621 GGACTTCGTA TCTTAATTAC ATACTTTAT TTCTTTAATCT GATCAACATG CTAAATAGAT
 13681 AACCTATGGC TCTGTTTTA CCCACTTAA ATTCTGTTCT ATTAGCACGG TTAGCTTTCC
 13741 TAATTGGCAA TAAGATTGAG ACTATCTTT TTTTTTTTTT GAGACAGAAT TTGCTCTGT
 13801 GGCCCAGGCT GGGGTGCAGT GGCACAACT CGGCTCACTG CAACCTCTGC CTCCAGGGTT
 13861 CTAGCAATTTC TCCTGCCTCA GCCTCCCCAG TAGCTGGGAT TACAGGTGCA CCACCACGCC
 13921 TGGCTAATTTC GTGCATTTTTA AGTAGAGATG GGGTTTCGCC ATGTTGGCCA AACTGGTCTC
 13981 GAACTCAGGT GATCCACCTC GGCCTCCCAA AGTGATGAGA TTACAGGGGT GAGCCACCGT
 14041 GCCCAGAAAAA GACTATCTTA TTTTATGAAT TAAATAATT GTGAAATTAT CCACTTAAGG
 14101 GAATTAATAAA ATTATAATGTT AATCTTAAAT TTTAGTTGGC TTACATAAAG ACTTAAATAA
 14161 CATCAATTTC AATAAAAATCT CATTGCTA AAAAATTC AAAAAATTTC CTTGTGCTTT
 14221 AAATGTGCTA CCTCTTTAAG TTCTAATTAA GAGAAAAAAA GTTAACTGT GAGTTTCATT
 14281 AGTGGTCTTA GTTAAACAGCT TAAAGTATTG TGAAAAAAA ATACTTCACA ATTGTTAAAT
 14341 AACTAAAAAA TATTAATACC TCTTTATTA GGGTTTTTA ATAAGGAAAA TATATAATAC
 14401 ATCTAATCAA GATTTTTTT GGACAAATTG GCTTAATAAT TTCATTTAA AAATGGCTTC
 14461 TTTATTCTTA TACTGTAAAA ATAATATTAG CAGAATATTA TAGTATACAC AAGTTTAGGG
 14521 TTCATATTCT AAAAAACAAA AACAAAGCT AATTAACTT GCATTTACTA ATTGTTCTCC
 14581 ACTAGTTGTA CTGTTTACAT GAGTTAACAT CACTTTATTT ATTATTCTAA ATTGTAAAT
 14641 TATTCAATTGAA ACCAAATTAA ATGATAATAG ATAATGTCAT TTTTAAAAT GGAATTAAAT
 14701 TTTATGTTAC TAATTATAAG GATTCAATGT GTGAGCTTAA GTACTGAGTT CACAGTGTAT
 14761 GATAACTTTA AGAATTAGG TGAATATTAT TAAATTGAGT AAATTAATTC TCAATCTTG
 14821 GATACCTGGA CAATTCTAA ATTGGAGGGT ACAAAATACA AATCACAAGA AACAGTGTAG
 14881 TTTTATGCAA ATAACATTTC TACACAGTT AGAATAACCA TTGATAAAACA GATAAGAGAA
 14941 CATATGATTG CCTTAGAATA GATACTGTTG CTTTCGCCAC TTTAGATTG TAAATCACGT
 15001 ACTGTATACG TGTGGCGTA GAGGACCATG CAGGTTTGG ATGACTGCCT CTGTTTCGT
 15061 CATGCCTATG CGGGAACACA ATTGCCTGCT TTGTTTAAGG GCTATGGTTA ATCCAAACAG
 15121 CTCTGACTCT ATCAAGTACT ATAGCTACAG AGAAACACAA GTAAGCATTC GAGATAATGA
 15181 CTACCTTGAG CCTTTACTTA TTTAAAAAGT TGTACTGTT TGTAAATGTG GTACATTCAA
 15241 TTTACTATGG ATTGTCACTC TAAATAAGA CTTCAATCTT TTTCTTATTT TTATATAGCC
 15301 ATGATTATATA TTCATATCTT AATGTAATAA CCAATCTCT CTGACAAACAT TATAACAATG
 15361 CTGGAACCTC CATTTCACTG ACTTCAAACAA ACAAAACTG CTTTTATACT TCAGAGCAGA
 15421 TGGATATGTG CTTCCCACTG TAAACACATT TGAATCTCA CTGAGAAATA CACTATCACT
 15481 AAAAATACAG TTCTGAGATT CATTAAAAGA CCTCCAGAAT TCTGGAAGTA GGAAGTTTCC
 15541 TCTTCAAAGT CTACAGAGGA AGATGAGGTC TGAAATAGAC AGCTTCTTCC TTCTTTTACC
 15601 TGTGGTATTA TTCTGTTTTG TCCTTTCTC CATTATCTGT CTTCCAGTG ATGAAATTTC
 15661 GATCTGGCCC TCCCAAGTAT TAAAAACAA GCAAATAAAC AAATCTCAGT TATATTTCAC
 15721 TAAGATATTG GCATGCTAAC TTTTGCGAGG TTTGTAACAA GGACCTTTAT AACTTGACTA
 15781 AAAGTTCTA AATAAGAATA TTTACTAGAA AATTTATTTG TGCCGTGGC CCACATTGAA
 15841 GTCAAAATAA TCAATTAGGA AAAATGAAC TGTGTTAACTA AAGTTGACCA AACTGATCTT
 15901 TGACCAAACG GATCTTTGAG ACCTATTCTAT CTAAGACAAG CCAATTAAAT TCTTGGAGAC
 15961 AATTTGACT TTAAGGAATT CTTATAATAT TTGTAATTAC CCTCATAACT TTTTTTTTG
 16021 CCCTACTTCT GTGCTTCTCT AATATGCAGA TTATTAATG TTGTTACAAA GCCATTGTCA

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16081 AAAAAACAAA AAACAAAAAA CTAAACAAAC TCACATGGTT AGACTGCTC CTTTATGAGA
 16141 TATTTTACC AAAATGGAG GAGTTGAAAA ACTCTGGTGC CAGAAATCGT GAAGACATGG
 16201 CCTACCTAAC ATGGAAATGT TGGTTGTCAG TGAAAATAC TACACAGAGA TAGCCATAGT
 16261 GCTGCACAGC CAATCTTAAG TGTTTCTAGA GAATCACTAA TTGTTCTAG AGAATCACTA
 16321 ATTGTTTCTC TTTAACATTC TTGGTTTATA CAAGAAGAGA GTATCCATAC TAAACTCTT
 16381 TCTACTGAAA ATAATGTGCA AACATAACAT CCTATTCCCTA GACAGTTGT AGTTTTTTC
 16441 TCCCATTCTC ATTTTATAAA TCATCTTTT AAAATACCTT GTTGAGTGAA ATCAGTCAT
 16501 TGCTTGATAT ACCTTGAGCA CAAGTAAATA GTATGCCAA AATTAAATGT CTTTCAGTC
 16561 CAGTTGACA AACTCAACTA CCCTGAGCCT ATAGAGTGGT AATAATTGCC CTACTCATAA
 16621 AGATGGGTG AAGATTAAT GAAATAGCAC CTATAGAAC CTAGTCCAG ACGTGGTATC
 16681 ATGCTAGTAA AATGGCTGCA CAGCACTGCT CAATGATGAC AAAAAGTGA GCTTCTGGAG
 16741 ACAGACTCCA AGTTGACTC CCAGATCACC ACATATAAGA TGTGGACTC TGAGGCAGGT
 16801 CATTAAATCT CTCTGTGCAT TAGTATCCTT CTCTATACCT TTACAGTGAT GGTAATAGCA
 16861 CCTACCTCTC AGAAGTATGT GAAGATTAAG GATCCTTAAT GCATATAAAC CACTGTGTTT
 16921 ACTGCTGTTT GACAAATTTC ATTTATAACC ATCTTACGC TCCTAAAAGG ACTTGAAGCA
 16981 GCTTATGACT GAAGACTTTG GTAGGAGTTG GCCTTCTATA AATTATAAGA ATTTCATAAA
 17041 TTATTTGATA TGAAAATGCC AGTTGATCAT AGTATGTTA CGGGGTCCA ACAGGTTGAG
 17101 AAAAAATACA CTTTTTTCC CTGAACATAT GAAATTAGCT CTCTAGGCAT ATTCTAAGG
 17161 ACTTAAAGAA TGATAACTAT CATTCTCTT AAATCTCCA GATTTGGAAG GATATATATA
 17221 TTCAGCACAT TGACAGACAA TCCCAGTAGT CCTAAATTAA AAGACATTAA AAATTAGTGA
 17281 AACTTTCCCT ACCTTAGCC TGTGTAATCC TGGATGACCA AGCATAAAAT TAAATTGAGT
 17341 AGAGTATACC ACTGTAACAT TTCTGAAAG GTATTCTAGG CTCTGAGTAA TTTCTTGGG
 17401 GTCTGAAGAT CAGTTTGACA TATCCTCAAG TATCATGAGT TCATTATAAT TAAGAAAAAG
 17461 AGAGTAAATC TGGAGAATGA GCCACTTCT TACTACTCCT TGACCTCAGT TCTTTTTTC
 17521 AGAGACAGGG TCTCACTTTG TTGCCAGGC TGCCAGGCTG GAGTGTAGTG GCGCAATCGC
 17581 ATCTCATTGT AACCTCCACC TTCTGGCTG AAGCCATCCT CCTGCCTCAG CATCCTGAGT
 17641 ATCTGGAACC ACAGCAGGTG CACACCACCA TGCCAAGCTA ATTTTTAAA AAGTTTTTG
 17701 TAGAGATGGG GTCTTACTAT GTTGCCAGG CTGGTCTCAA ACTCCTGGGC TTAAGTGATC
 17761 CTCCGCCTC AGCCTCCAA ATTGTTGGGAA TTACTAGTGT GAGTCACTGT ACCCCGCCCC
 17821 ACTTCAGTTC TGAGGAGGAA AAAATATGTA ATAATAATGG GACTTGGTT TGCTGATTAA
 17881 AAGATTCATG TAACCTTATC ATCCAATGCG CAATTGTTAG AATAATTAA AGAGACATCT
 17941 GGTCTCATGT TTCTACAGTT GCTCATGCCT TGATAGTAGA TCTCCTTGCT GCTGGCTCAG
 18001 AAGGGTAAAA GAGCAGAAAT GATGGGGCTT CTCTCATTCT ATGAGGAAAT AGACCTATGT
 18061 AGAGGAAGGCT ACCTGTGGTA AAACCTTATC CTCATCACTT AAAATTCTAG GCTTATTCTC
 18121 TGACCATATC AAGTTTCAA ATGGTAAAG AATTGGATTC AAGAGAAATA TGAATAAACT
 18181 TTGTTTCA CTTTCTCCC TCCTCTCCCC CCATTCTCCC TTCCATTATT TTCTTGTCT
 18241 TAGTTTCTT TTCACTTTT TGTCTACTAT TATTGCCCC AACTCAACTG TAGGCTAGAA
 18301 CAAAAAAATTA TGAAAATTA AAATGTGCC CTTTGTGTTG TAGACTTGCT TAAACAATTG
 18361 GGGTAATGAA CCTGGACAC TAGATTAA AACACACACA TTTGAGCTTC AGTGCAGTGA
 18421 AATAATATA TTTTAACAA TTAAAAATA AAATTGCATG TTTAAAAAT CTGCAGAGAA
 18481 CAATACACGT TGTGAGATCT TGAATGGAAG GAAAATGCT AGCCTCAAGA GTGGATCAAA
 18541 GATGCTCAGC AGGCAACAGA GTAAGAGCAT GTTGGAGGGT TTAGAGAGTG TGCTCAGGGT
 18601 TCTAGGCTCT AAAATCAGA CAGTCCCCAC GGCCCTGGCCT TCGTCGCTGT ATCTTCTTTA
 18661 TGAAAAACAC TAACTCTTT TCCTCACTGG ATAAATTCTT ATCCTCAAG TTTAGATCAA
 18721 ATGGAACCTT AGGACACTGA CTAGGTTACA TTCACTTTT AAGAGCGTAC AGACATTCAA
 18781 GGGCTAGAGG ATGTGGTTT ACTGCACAGG CTCATTATCC AACAGCTGTG CTACCTGGGA
 18841 AACTTAACCT CTCTGTGCCT TAATTCTCTC ATCTATAACG CAGGGAGAAT GACAGTAGGTT
 18901 ATCTCATAAG GTTGTGGAA CAACTAAATG CATTGGTATC TATTGTTAA AGTGCTTAAA
 18961 ACACTGCCTG GCACAGAGCA AACATCCAGT GAACTTTAGC CATCATCATT ATCATTGTT
 19021 TCAGAGTCAA ATACAATATC TCATATCTGA TAAATTACAG AAGTGAATCA ATCACTCTCT
 19081 CTCTTTCTC CAGGGGGAGA CAAACAGCTT TAGACATATC TTTTCCAACA GTCGTCACTG
 19141 CTGGACACTG TTTCATCTTG CAAATAAACC AATGAAAATG AGTGTACCTA GAAGAAGATA
 19201 AATGGAGGTA TTTGAACAA TCAAAGAAGG ACAAAATGAAC ACCTGGCTGA GAAAATTAG
 19261 CTCTTTTTC TATGCATAAA ACTATTAAAA TATTCTTCAT AGAAATTAT GACACAGGAA

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19321 ACATAAAAGAC AAAATTAAAA TAACTCCTAG TATCTCCTAT TCTTTTATA TGTATATTAT
 19381 ATATACTCAT ATTCAATATAT ACATATATCT CACATCATGT ATCATATATA AAATAAATT
 19441 AGGTGTCATG ATATATATTT AGATAAATAT ACTTAGAAC TTTTTATGG ATGTATAATT
 19501 TATGGATATA TTGATAATTA TGTATTTGTT ATTGACTACT TCAATTGATT CCCATTTTA
 19561 TGCATTATAT TATAGATTAT ATAGCTACA CATCTTGTA CATAAATCTT TGTTCAAATA
 19621 TTATTTCCA AGGATAGACT TCATGAAGTG GAAACTAA ATCAAAGTG AAAAACATT
 19681 TCTAAGGTTTC TTAACATATA CATTGCCAAA TTGCTATTCA GGATCATACC AATTATAAT
 19741 CCCAAAATAA TATGGAAATT CCTGTTTAT AGCACTCATA TTTACAATAA ATTTAAAAAA
 19801 TCACTGTAA CCTAATAGTC CTTCAAAAGA AAAAAAAATT GAAATTACAT TATTTAATG
 19861 ACTCTATTAG TGAGGGTCAT TCTTCCATG TTTCTTGTIA GCCATGACCC TATAAGAAAT
 19921 AAACTGCACT GCAAAATGAT AAACATGACA TCAATCATTAA CATGGGAAGG CACTATATAA
 19981 AGAATAATAC CTTAGGTTAA GGCCACATAA ATATTTATCA GGTGCCCTTT CTGCGGAGGA
 20041 CTCTGAAGGG ATACTAAACT GCATTTAGCT GCATGCAACT GAAACTACTT TTACCTACAT
 20101 TGTCTCTTAT AACATTATA ACTACTCTT GAGAAAGTGT TTACTATGGA CTGAATTGTC
 20161 TCCCCATCCC CCCAAATTCA TATATTGAAG CCATAAACCC CAATATGACT CTATTCC TAG
 20221 ACAGGACTTA TAAGAGGTAA TTAAGGTTAA ATGAGGTCA TAGGATGGGT TCCTAACTGG
 20281 ATAGGATTGG TGGCCTTATA AGAAGAGGAA GATTCTGCAC TTGGTCTTCC AAATTAAATA
 20341 ATTTATTAA AAGAAAAAAA AAAAGAGGAA AGAGAGGGAG CTCTGCACAT ATACTGAGGA
 20401 AAGGCTATGT GAGCTCTCAC AGTGAGAAGG TAGCACTCTA CAAGCCAGCA AGAGAGCCCT
 20461 CAACAGAAC CAGCCATGCT ATACCCTGCT CTGAGACTTC CAGCCTCCAG AACTGTGATA
 20521 AAATTGTT GTTAAACCA CACAATCTAT GGTATTTTT TATGGCAGCC CAAGCCAACA
 20581 AAGACAGCAT CATTGCTGTC ACTTACAGAC AAGAAAACCA AGACTAGGAG AGAGAAAAGT
 20641 TAAACTTGTCA AAGGTCACA AAAGCCAGAA ACAAGTGAGG TGAGAAAGTTG ACCTTGTCT
 20701 CCTCAATCCA AGGCCAGGAC TCCTCCACTC CACATGTAGA TAGCCACCTC ACAGTCAAACA
 20761 GCCAAATGTC CACACCCAG AGTCAGCATT AGACCAAGAT GTCTTACCAAG GAGACAAATG
 20821 CCTCATTTG AATAAATATG ATCTAACAAAC TTACCCATGT AAAACATTGA ATCTCATGAG
 20881 AAACAAAAAT GCAAAGTATG TAGAAAACCA TGTTTACCAAC TTAACTGACA GTGATAAAAAA
 20941 GCTTAATGAT ATCCTTATAG TCTTGGAGGG GTTTGTATAT GTGGTGAAAC AGGTGCTCAC
 21001 GCACTGCTGA TAGACTGTAA ATTGGCCTA GAGAGAAAAA TAAATAAACT GGAAGGAGAT
 21061 ATGCTGTATG TTTACTTTTT TTATGGAAAC ATATGATATA CCTGGAAATT CGATTGACCA
 21121 TGCACTATT TCTTCAATGG GTATGCACAG TTGAGCTGTT CCCATGCACC AGGCACGTGTA
 21181 ATGGGACAAAC TGCAACATGAC AGTCAAAAT CTCAGTCTCA TGAAGTCGAC ATGCTCATGG
 21241 AGAGGTGCTA CCCACTAAAC TAATATTGT ATATCAATTAA TGGATACATT GGGCCACATT
 21301 TACAGAAATT CACTTACAGT GGGTTACCAAG AAGGGATTAA TTTTCTTGAT TGGCAAGAAG
 21361 GCTAGGCTGT TTTGTTGGGG GCTGGCAGGA GCTGTCTAGG CTGCCCAAGT ATGCAGGTCT
 21421 CTTCTATCAT CCTGTGTTAA CCATCTTCA TGTATCTTC AACCTCATGG TCATCTGCAG
 21481 CATGTCTAGG GGTCAATATCT ATGTTCCATG CAGGAAAAAA GGGTAAAGGG AAAGGGAAGT
 21541 AGGCATGTAC CATTAAATG CACACCTTGG TTTTCAGAAA ATTTAAGAAG AAAGACTTTC
 21601 TGCTTTCTC TGACTATTCT GTATTCTGGA TTACAACGCA ACAGAAACGT CACCTTAAAT
 21661 TCTAATGTT TTCTCTCCTT GCTTTCAAAA ACTGACTCAT TAACCTCCAC GTGGCTTGGAA
 21721 AAAATTATTT CAGTCATCCA GTAATGAGCT GTTCATAGAA ATGTTTGGAA CATCAAGTCT
 21781 GTGTTGTAG CATTATACAT GTTAAGCATT GAATAAAAAA CAACATGATG TGGGTAAATT
 21841 TCTTACTTA CATATAAGTA CTTATATACT TATAGCTGAA AAGAGAGGTT GAAATGTCAG
 21901 GTGGAACAGA AATAAGATTA CCTAGATGTT TCTCCTATGG GTGATTTC GCTATGCTGA
 21961 TCTTTCTCT GGGTCAGGTA CTCCCAGAAC TTCTAATTA AATGGTGGCC CTGATCTTAG
 22021 TTCCTCTCTC CTCTTAGACA TTTTCCAGGA CTACAGAAGA TGTGCAGTTT ATAAATGAGT
 22081 AGCAGAACCC TACTGAACAA ATTATTCAAGG CTCATCTGAA CAGAGAGGAC ACCTTCTCTG
 22141 CTATACTCTC TCAGTGTATT CCCTGCCCTG GGGTCAATTAA TTGCTTGGAA CATTGATTAA
 22201 AGCACATAAT AATTGTTGTC ATTGCTTATG TTTGGATTTC ATCTCCAAA ATAGATGGTA
 22261 AATTCTTAG TTTAGAGACC AAGTAATACT TAAAAAAAT TTTTGTGTGT GTGTGTGTGT
 22321 TTTTCTGTG TCTCTCAGCC CTGTAATAGC ATCGTACTTA CACTGTTAG ATTTTTAGAG
 22381 ACAACTTTA CAAAACATGG AATTATCTAC ATACCCCTTC TACAAAACAG ACAAAATTAA
 22441 TACTCAGTAG TTGAACCAA AAAAGCAGTT CAAATAAAAT ACTTGAAAAT GAAGAAATCA
 22501 TTGAAACAGA GTTAAAGTTA ATCGTAAAT AATGTCTGTA AAAATTATTG CCAATCAAAT

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22561 ATAAAGTTCA AAAATAGTGC TTGAAAAAGG AAGAACATA TGAAAAGGGA CTACTCATT
22621 TAAAAATGTT AGATATCAGG AAAAGCCAAG AAGTGAGTAT GGTAAAGAGTG CTGTCAGTG
22681 AAACCCCTGCT AATCTCACTG AACATGTAAA AATCTGTAGA TGCCTTTATT TTATTCAC
22741 ACACACATAT GTAGAAAGAG AAATATATGG TAAACATTAA AAAAACCAAA TTAGAATGTA
22801 AAATTAATAC TTTAAAAAAAT GGGCTGTATA CTTTCTTAT CACCGGAGAT AAGAATTTAT
22861 TATTTTAAAT ATAAAGTTAT TTTCTCTGTG ACTGTTCCA TGACTTTGCT ACTTAGAAGT
22921 TAGAGATGCC AAAGTTTATC TAAGAAAATG TTTATGGAAA TATTATTTCA ATAATGAATG
22981 TTTAGAAGAC TGAATTCCT GACTGGCGC AGTGGCTCAT GCCTGTAATC CCAGCACTTT
23041 GAGAGGCTGA AGAAGGAGGA TCGCTTGAGT CCGGGAGTTC AAGAGCATCC TGGGCAACAC
23101 AGCGAGACCC TGCAGCAAAG TAAAAAGAAA AAAAGATTGA AAAAGGAAGA CTGAATTTC
23161 TTTGGGCAAG TCATGTGACA TTCTGTGCC TCAGTTCTT CATCTATAAA GTTAATTCC
23221 ACATTTTG GGAAGGGAGA GAAAACCTA GGATAGTGAC TGGCACAGAA GAAGCACTAT
23281 ATACTATATA TATGTGGATA TCATTTGTT TTATGGTACC ATTTTAGCTA TCTAATGCAA
23341 AATATGAATC TTTTTTTCT GGGTCTAAA TTATGGAATG TAAGAATTTT CTAAATTCTC
23401 TAATTCTGTG TTAGTTTAA AGCAATGGAG TAACGTATCT GTCAACTTGT AAATATAAGG
23461 ATCAACCTGA TCCACAATT GACCCCTAGC CACTAATATT TAATAGTACA ACACTCAGAA
23521 ATTATCAAAG GTCAGAGAAG CCAAACAAAT GTAAAACAT ACAGGTGCTC AGAAAGATGC
23581 ACCTGTAATC TCTCTAAGGA GAAATATTT CCAAACGTAG TGACACGGTG CTTTAGTGAG
23641 TTGTGGAATC AATCTCATGA TTCCAAACCT AGTGTCTTT TAAAATGAA CTAGTCCACA
23701 GTAGAATATA CTAAAGTGCT GGTGCTTAAG ATAGTATTGT TTTCTGGAAA AAAA
23761 ATTTTTTTTT TTTGAGACAG GGTCTCGCTC TTGCCAGGC TGAAGTGCAG TGGCACAA
23821 ATGCTCACTG CAGCCTTGAC CTCCCTGGCC CAAGTGATTC TCCCACCTCA GCCTTTGAG
23881 TAACTGGGAC CACAGGTACG TGCCACCACA CCCGGGTAAT TTTTAATTG TAGAGACAGG
23941 GTCTTGCTAT GTGCTTAGGC TGGCCTGTG AACTCCTGGG CTCTAGTGAT CCACTAGCCT
24001 CAGCCTCCCA AATTATGGG ATTATAGGCA TGAGCCACCC TACCTGGCCT GTTCCCTGAA
24061 TTTTTTTTC TTTCAGGTGT TTGTGCATAT GTGTGTGTG ATGGGTATAA CAGAGAGACA
24121 GAGAGAAAGA AACTTTCTA TCTCACCTTG CAATCAGAAG TTTGAAGTCT TATTTTG
24181 CTTTGTTTC AGAAATATT CAAATGTAGA CTCTCTCCTT TACCACACTG TCCCCTTAGG
24241 CAAGGTCTTT GCCATTCTTC TGAGACTATT GCAACAGACT CCCAACCTCT GACTGTGGC
24301 CCTTCTCAAA AATGATTGTT TATGCAATAA ATCTAAACCC AAGACAACTA CAACAATACA
24361 ACAAAATTCTC TGCTAAAAAA CTTCCAATGT CTGCCGGGCG CGCGGCTCA CGCATGTATT
24421 CCCAGCACTT TGGAGGCAGA GGCAGGAGA TCACCTGAGG TGGGGAGTTC GAGACTAGCC
24481 TGGCAACAT GATGAAACCC CATCTCTACT AAAAATACAA AAAATTAGCC AGGCATGGTG
24541 GTGGGCGCCT ATAATCCCAG CTAATTGGGA GGCTGAGGCA GGAGAATTGC CTGAACCTGG
24601 GAGGTGGAGG TTGCACTGAG CCAAGATCAC ACCATTGCAC TCCAGCCTGG GCAACAAGAG
24661 CAAAACCTCG TCTCAACACCA AACCAAAACA AAACCTCTAA TATCTACCAA ATGTTTCACA
24721 CAAGTATTG GGGATCTTC CAAATGGCC TTATGGAGTT TTCTTTGCT GAGACCTAT
24781 GCTCTGGCCA CACTAAACTC ATTCAAGCATC CCAGAAAGGC CTCAGCCTTT GTGAGCAAGC
24841 TCTTATCTCC AGGCCTCTCA CAAAGACCTG TTCCAGTAGA AGCTCAGGGG AGCACACTGG
24901 ACATTATTC AACAAACCC TTCCCCACAGC TATGCAGCCA AATCTGCCAG CTCAGTTAAT
24961 TAATTAAGCA ATTCAAGAGAT GAGGGCTGTC CCAGGCTGGA GTGCAGTAGC TCGCACCTCA
25021 AGCTCCTGGG CTCTAAGTGA TCCTCTTCAG TCTACCCAGA AGCTGGGACT GCAGGCATGT
25081 GCCACCACAC CCAGCTAATT TTTTTTTT TCAGTAGGGA CCAGGCCAAC CTAGCTTGA
25141 ACTCCTGGCC TCCAGCCTTC CGAAGTGCTG TAATTACAGG CATGAATCAC TGCAGCCAGC
25201 CAACCCGCC AGTCTGTGTA GACATGGGT CTGTAGTTTC TAGTAGGTT TTGAGTCTAG
25261 GGTTCCCTACC TCATGTTTA TAGTTAATT AGGGGAGGGG CTGTGTCTGT TTATCTGGGG
25321 ATGTAGGGGT GGGCAGGGGG ATAGAGGGGA CTCAATTAA TGAAACCAGA AGCAAAACTC
25381 AGTTGAGGAC ACCGGTCATG AGAGTGGCCT GATTATGGCC AATCTTACAT AATGTGTGAG
25441 ATCTTGATAT TACCCCATCC TTGAGAGTCC TCTATAAAAGC TACAGGGACT TGGGAGCACC
25501 TTTAATTACA GACAACCCAT GTTCTGTGG ATTATGATT ATTAGATTGC ACATGCCTAA
25561 ATAAAGACAT CCTCTGCAGT CTTTGACAA TTCTATAAGC ATCTCTGAC TCCGCAATT
25621 GACAGCTAAG AGATCTGTGT TACTTCCTC ACATATATAA ATAATTTAA ATAAAAATCA
25681 TGGCGTGAAT AATTCTTTC CTCTACCGAT TTGAAGCTAT CCATTTGGAA GACCACTCTG
25741 AAGAGATGAA ATAAGTCTTC TGCCAAAGAT TACTTATTAA TTTACAAGGA AAAGGGGAAG

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25801 TTTTGTTCCT CTCCGTGAAT TTGATTGAAA ATCGAGGGCT TTCTCGAATA GTTTGGCAT
25861 CCAGGGTCAT TTTTCATTAA AAAGAGAAAA GTCATGTCAA ATATGAATTT CCGCAGATTA
25921 TTCAGCACTA GACCCTGGGA GATTCTGTAA AGAGGGGTTT TGTTATACTC AACTTTCCG
25981 GGTAAAACAA ACACAAATAC TCCTCCTCCA AGGGGCGGGG GCGGTGCCTA GGTGATGCAC
26041 CAATCACAGC GCGCCCTACC CTATATAAGG CCCCAGGCC GCCCGGGTGT TTCATGCTTT
26101 TCGCTGGTTA TTACATCTTG CGTTTCTCTG TTGTTATGTC TGAAACCGTG CCTGCAGCTT
26161 CTGCCAGTGC TGGTAGCC GCTATGGAGA AACTTCCAAC CAAGAACGGA GGGAGGAAGC
26221 CGGCTGGCTT GATAAGTGCAGTCGCAAAG TGCCGAACCT CTCTGTGTCC AAGTTGATCA
26281 CCGAGGCCTT TTCAGTGTCA CAGGAACGAG TAGGTATGTC TTTGGTTGCG CTCAGAAGG
26341 CATTGGCCGC TGCTGGCTAC GACGTAGAGA AGAATAACAG CCGCATCAA CTGTCCTCA
26401 AGAGCTTAGT GAACAAGGGATCCTGGTCAAAACCGGGG TACTGGTGCT TCCGGTTCCCT
26461 TTAAGCTTAG TAAGAAGGTG ATTCCCTAAAT CTACCAAGAAG CAAGGCTAAA AAGTCAGTTT
26521 CTGCCAAGAC CAAGAAGCTG GTTTTATCCA GGGACTCCAA GTCACCAAAG ACTGCTAAAAA
26581 CCAATAAGAG AGCCAAGAAG CCGAGAGCGA CAACTCCTAA AACTGTTAGG AGCAGGGAGAA
26641 AGGCTAAAGG AGCCAAGGGT AAGCAACAGC AGAACAGCCC AGTGAAGGCA AGGGCTTCGA
26701 AGTCAAAATT GACCCAACAT CATGAAGTTA ATGTTAGAAA GGCCACATCT AAGAAGTAAA
26761 GAGCTTCCG GGAGGCCAAT TTGGAAAGAA CCCAAAGGCT CTTTAAGAG CCACCCACAT
26821 TATTTTAAGA TGGCGTAACA CTGGAAACAA GTTCTGTGA CAGTTATCTA TAGGTTTAAG
26881 TTGTGATGCA GCTGAGTTGA AAAGGCTTGA GATTGGAGAA TTAATTCAAGG CCAGGCTTC
26941 AGACCATCCT GGGCAACATA GCCAGACTAC CATCTATACC AGGGGCTCTC ATTTCCCCGG
27001 CCACCGACCG GTAAACCGGT CCTGTCCATG GCACGTTATG AATTGAGCCG CACAGCTGAG
27061 GGGTGAGCGA ACATTAACCA ACTGAGCTCC ACCGCCTGTC AGGTTAGCTG CAGCATTAGA
27121 TAGATTCTCA TAAGCTAAAT CTGTATTGTG AATGGCACAT GCAAGGGATC TAGGTTTCAG
27181 GCTCCTTGTG ACAATCTAAAT GCCTGATGAT CTGAGGTTGG AGCAGTTTA GTCCGGAAAT
27241 CATTGCTCCC AGCCCCCTGCA CCCCCCTGGTC CGTGGTATAA TTGTCTTACA CAAAACGGTC
27301 TCTTGTGTCA AAAAGGTTGG AGACTACTGG TTTTACAAAA AAGTAAATTAGTCAGCATG
27361 GTTGGCACGC TCCCTTAGTC CCTGCACCCA GGCCTTAAAG GATACAGTGA GCTATGATGG
27421 TGCTACCTCA CTCCAGCCTG GGTGACAGCG AGTCAGACGT TGTCTAAAAA CTAAAAAAA
27481 AAAAAGTTA AAACAGAAAA AGGGCTTCTT GTCAGAGACT GCCGTATATC TAGAGGTCCA
27541 GGAACAAAAA AGTCTGATGT CCAATCTGA AAAGCTCGAT GGTGCACTAG AGGAGGCTTT
27601 TACATGTAAAG AGCATCTAAAG TTCTGGAAAT GCCAGTGTCA GGGAAAGGAA GTGGAGAGCA
27661 ATTTGGCATC CAAACATAAC TTGCTGATAC TTTTTTTTTTT TTTAACACAA GTACTACATT
27721 CTAGCTTTCTG TGTGGTGTCA TTGTAACATAT TGTTTCTTAA TATGCTATCC ACTGACTTCA
27781 AGGGATCAAT AAATAGGAAT CAAGGTGTCC CAGAATATGG ATTAGGGAG TTTTTTTGTT
27841 GTTGGTTGTTG TTGTTGTTTT TCATCTATT ATTATCCTGT AGCTGAAATT TAGAATTTC
27901 TTCCATTGTG TGTGACTGTAGT AGAAATAACA AATTGTTAGG TTATAGTTGT TGAAGAAC
27961 TGGAAATCGT GCTGCTTAT TTCCGAAGTA CTATTAGGTA TATCAACAAA AACACACATA
28021 TTACGGTCAA GTGGTTTGAT AATTATTTA ATATTATTGG TCTAATACAA TTGTAACCC
28081 ATGAATTACT TTAAGTATCT TATTATGAA AAGAATCTGT AAGTTTCATC AGACTACCAG
28141 AGCATACCGA AGACTGAAAA ATTTTAAGAA TCCAAACCTT AATGGAATG TTGGAGGCTG
28201 CCCAATTAGG TTCTGAATT CACCTTCTG AATCACAAAC TTGTTTAAAC TCTCAGTCTG
28261 AGGTAAACTA CGTTCTCTT TAAACAGACA TAGTTAATT TTCCCTTGAT TTTGATTTA
28321 GTATTCTTAC TGATCATCAT AAATAACCAA TGCTAATGTT AGTCTACTTT GGACCATGGT
28381 ATTCGAGAA ACTTTGAACA AAGTCCCCCTG CAAAACATG CATTGCATTA TTTCACACATA
28441 ATTTATGTTT TCCAGACGGT TCAATAGTAC CTCACTTTTC TGAACCTATT TGTATAGTTT
28501 GGCATCTTT TAAAAATTGT GTCCTATAAT GAAAGGTTGT AAACATTATG TTTTAAATT
28561 GTATAGATAA AATCAACCAC AGACCTTCC TTGCTTGGAT GTAATTGCCA TTGTTTCCCA
28621 ATGAGTTCGG AATTACTAGG ATTGTGAAA AATATGCCCTC ACTTGCTGA CATAGCAGAG
28681 AGCCATTGTT CCTAAATGCT GTGCCAGCA ATGGACTGTC ACCAGATTCT CATCACACATA
28741 AGTGAGGATG AACAACTAGC CTCTCCCAGC AGCTGGCCGG TCTCTCAATA ATATGGGACT
28801 CCCTCAAGAT GGCTTCTGAC ACCTTGTCTC CTCTAGCCTT GTATGTATAC AAGGCTAGCA
28861 TGCCCTGGCAT ACATAAGGTT AAAACAAAAA TCAATAAGTT ATGGTTCTTC CTCCAGTTCT
28921 GGGGATTATT AGACCACTTT TTTGTTTGT TTTGTTTGG ATGGAGCCTC GCTCTGTAC
28981 CCAGGCTAGA GTGCAGTGGC ACAATCTCGG TTCACTGCAA CCTCTGCCTC CTGGGTTCAA

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29041 GCAGTTCTCT GGCTCAGCCT CCCACGTAGC TGGGATTACA GGTGCCCGCC ACCACGCCCG
 29101 GCTAATTTTT GTATTTTAG TAGACGGGT TTCACCAC TGGCCAGGCT GGTCTTGAAC
 29161 GCCAGACCTC GTGATCCACC CACCTTGGCC TACCAAACCTG CTGGGAATAC AGGCCTGAGC
 29221 CACCGCGCCC GGACTTAGAC CACTTTGTT TGGCCAATAG GACAACAGCC ATAGAACCCCT
 29281 CCGCAAATGA GAGCTTGTCC CTAAAGATGC TTTATTACA TAGCTGTGTG CGCGATGAGC
 29341 CAAAAGGTGA TAACCTTTGT TCAACACGCG CCTCCAGCCC TTGCGTTAAG TCCAAAGTAC
 29401 CATTCTTAGA ATGCTCTAAA ATACATAATT TTTTTTTTT TTTTTTTTT TTTTTTTGAG
 29461 GAGTCTCTCT CTGTCCTCCA GGCTGGAGG GAGTGGCGG ATCTCGGCTC ACTGCAATCT
 29521 CTGCTTCCGG GCTAGCTGGG CCTACAGGTG CAGACCACCA CGCCCGGCTA AGTTTGAT
 29581 TTTTTTTGGT AGAGGGGGTT TCACCATTTT GGCCAGGCTG GTCTCGGATT CTGATCTCA
 29641 AGTGATACAC TAGCTTGGC CTCCCCAAAGT GCTGGGATTA CAGTCGTGAG CCACGTGCGC
 29701 CAGCAAATG CTTTTGTGG AGCCAATCAC TTTATTAGCC CTTACCTCTC TATGCCTACT
 29761 TTATGCTTG AAATTTGTG ACAGTGTGGC CGGTATGGC AAACACAATT CATTCTTATG
 29821 CAGGATGTCA CGGTTATTC TGTCATCCAA ACTCATTCTC GCAACGCATT TCAGCTCTT
 29881 AAACGACTTT GTGAGCGGCC CTGAAAAGGG CCTTTGGGTT TTTTTGTTTT TGTTTTTGAG
 29941 AGTTCTCAGG AGACCGCGTA TTCTTAGATT CAGCCGCCGA AGCCATACAG AGTGCGCC
 30001 TGACGTTTA GGGCATATAC TACATCCATG GCTGTGACAG TTTGCGCTT GGCAGTGGC
 30061 GTATAGGTGA CGCGTCTCG AATAACGTT TCTAAGAAAA CCTTAAGCAC ACCTCGAGTC
 30121 TCCTCATAGA TAAGACCGGA AATGCGTTG ACGCCACCGC GCCGAGCCAA ACGGCGAATA
 30181 GCCGGTTTG TAATGCCCTG GATGTTATCC CGGAGCACCT TACGATGGCG CTTAGCACCA
 30241 CCCCTCCCCA AGCCTTTCC GCCTTGCCG CGACCAGACA TGATTCTTAT CGCAGTGGAA
 30301 GGTATGAAC GAAACAGTTC CTTAAATACA AACTTGGCGG ACCTGATTGA AAACAACATG
 30361 AGTTGGCGCG GTTTTTTTT TTTTCAAAT TTGGTCACCA AGTGGGTGGA GCAAGAAAAA
 30421 CTGTTTCATT ATGTTTCATT GTTTGATTG GCCAGTGACA GCTTGCTTT TGTGGGAGTG
 30481 GAAGGGTGT TGCAAGTGA ATGCGCTGTA TTCTGTCAAG CTTAATGACG CTAAGCATAG
 30541 CCCCATTCGA CATTTCTTT TATTTCACCT TGCTAACTAA TAAATTACGG AATAGTTTAT
 30601 TGGGAAACAT ACAAAATAATG TTTAAAGGAG GTCAGATTTA TAGGTCAAGG GATTTACCC
 30661 CCCAATCATT TTAATTTTT TATTAAACC AGGCATTTG ATGGCCTTCT CTGTGCTGGA
 30721 CAAGGTATAA GTTGGCTAT GAAGTTTCAC TCCTAAAGAC CCTATGTTTT GGGAGGCAA
 30781 AAAGGTAGCC AAATAATTGC AAATTAAAAC CTCATAAGTG CAAACTCTT CCTCGTC
 30841 TTCCCTATCT CGATTCAAAT ATTGTGAA TGACTCATT TTCTGAAAA GTCTGAGAGA
 30901 GACAGGGAAT ATAAACTTAA GTCTGGATAA TATGTTTCC CGGGACGCTC TTCTGGTCT
 30961 GCTGTGCCTG TTTGCTGTGC CTGAAATTCC AAACACTCTT CCCTCCCTC CGTTTTAA
 31021 CCCCTTCAA CTTGCTACAG CTTTAGAGAA AAGAACATTC GTTTGTACA GTTGGGGATT
 31081 AATTGAAGTG TAGGGCTAAT ACTTGATTAA GGTCAATTACA AAATCTACAG GGTCTTCC
 31141 TGGGAGGTTT TTGTGATAAG ATTATTGGTG TTTAAATAAG GCTAATCCCC TTGAAAATA
 31201 AATAGAATAG CAGAATTGGG TCTGAATGTG GTTTGAAGAA AGGGACTTCT CAATTCAAA
 31261 TTTTATTCTT AGCTTCTGC GGGAGCTTTC CAGAATGCC ATAAGATCCA CTTTTGTTA
 31321 AAAAACAAAA ACAACCCAC CCACCACTCT CTGGTTAATA AATGAATTTC TATTGGGAAT
 31381 ATTAGAATG GGGCTGTGGC CTGTGAGAGA CATTATATAG TAACTCAGA CTGCTCACA
 31441 TGAAGAGAAG AAATCCAGGA ATGGAGAAAA AAGACCCAGG AAAGGCCAGA ATGCTCTACA
 31501 TGTCTATATTG TTTGTATCAC TTCTGAAATA ATTGATTACA TTCTCTGCC CCAAATTGAG
 31561 TTCTTAGGTT CTTCCACTCA CTGTCCACAT GCCACAACAC AGACCTTATA ACTAGAGACT
 31621 TAGCTAGGAA GAAATGTCAA ACATTACAGA GAAAAAATGC AGAGTGTGAG ATCATAAGTA
 31681 AAAACTCTGAA ATCTCAACAT GCCTTTAAT TCATGAAAAT AAAAATATA GCAGCATATG
 31741 CAATATGACA ATTCTCTGAA AACATACATC ATGTGAACTA CCCTGGAACA CATCTGCCA
 31801 AGTGCCTACT TCATTTAAC CAGAGGTCTA GGATGCCTT CCTTTATTTC GCCTATTATA
 31861 TCATTTATAA AACCCATTTC TTATTTGAT ATTATTATTA CTTCTATTTC CCTGCTCCTA
 31921 ATATCTCCTT TCTAAACTTT TCTCAATGAC AGTGACTCAA AAACAATGAA TGTCAGAAC
 31981 AATATTAA GGATCTGTAC ATGTAGATAT ATATATTAA AATGGATTCT TCCACTCTGC
 32041 GAAGAATCA GGCTACTCA ATCTTATGGT TAGGGAGAGA TTAGGCTCAC TCGCCTAATC
 32101 TGTATGGCTT CTCGTTCGCT TTCCATTCA CCTTCCTCTC ACCCATCAGA TCAAACACTCAT
 32161 TCATTGAACA AGAGACCTAA GCCCTTCAGA TTAAAATCT GCAAACAAGT TGTGGTTGAG
 32221 AGGATACATG AAGCATTCAA ACAAAATAAT CTATGATATT AATCAGAGGT TAATCTATGA

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32281 TATTAATCAG AGGTTAATGC AGTGGCTCAC GGCTGTAATC CCAGCACTTC AGGAGGCTGA
 32341 GTTGGGAGAA TCGCTTGAGC TCAGGAGTTC AAGACCATT TGGGCAACAT AGCAAGTCTT
 32401 CATCTCTACT TAAAAAAA TAACCAGAGG TGTATGAAA ATATAATTG TCCAGAACTA
 32461 CCCTCCACAA ACTAACTCTC TCAGAAATT CGATATGAGG AATGAAATAT GGTGTGTGT
 32521 TGTGTGTGTG TGTGTGTATG TGTGTGTGTG TGTGTGTGTG TGACACCTATA TATGGCACCT
 32581 ATATATTCAA CAAACAATT TGATAATTGG CCAGGGTTGA GAATGACTAG CAGCCCAGCA
 32641 TACACTATCA GTTTTAAGTA TATAATTGCG CTTTAGTAA ATGTAAGAA ATCCCAGAGT
 32701 AGAAATACTT TTAAGCTATA TTACAGGTGA GAAAATGCAT AAGTATAGTC TCACCCAAC
 32761 TAGACTATGG GGGCTTTATA ATGTCACAAAC AGTTGTTTC AGGCATTGG GGACATCACC
 32821 ACTGGTCTTG GGCAAGAAC TCCTCTAGCC AATGGCTGAT TTATCTCACT CCCATCTAA
 32881 GCTTCACTGC ATTCTCTTT TTCAGCAACC TAACTTATT AAAAATATCC ATTTCTGAT
 32941 TCATTTTTT CTGAATTAAA CTGTCAGTAC CATTGGCACA CCTTTGGTTC CGTAGCATA
 33001 CTGTGTCTCT GCTGTGTTT TTTTTACCT CCACTCCTTA CTTTCTAGA AAAAAATCTC
 33061 TGCTTTTTCT TTTCAAGTTA AATTATTCA CAAAAGTTT TCTTGACTTG CACTTCCTAG
 33121 GCTTGCTGTC CTTGTGTGGG CACGCTCCC TAAACACTAT TAATACACTT CGATTGTTA
 33181 AAAATAAAGA TATCTGGACA GAAAATTCT TTCTTTTT TAAGATTAA AAATTTTAA
 33241 TGTTTATTTT TTTCTAGAC TGGAGTACAG TGGCACCATG ATGGCTCATG GTAGCCTACA
 33301 CTTCCCCGGG CTCAAGTGAT CCTCCCACCT CAGCCTCCC AGTAGCTGGG ACTACAGGTG
 33361 TGCACAACCA CACCTGACTA ATTTTGTAA TTTGTTGTT TTGTTTTTG AGATGGAGTT
 33421 TCGCTCTGT TGCCCAGGCT GGAGTGCAAT GGCAGGATCT CGGCTCACCG CAACCTCTAC
 33481 CTCCCAGGTT CAAGCAATT TCCTGCTCA GCCTCCCGAG TAGCTGGGAT TACAGGCATG
 33541 CATCACCAAG CCCAGCTAAT TTTGTATTT TAGTAGAGAC GGGGTTTCTC CATGTTGAGG
 33601 CTGGTCTGGA ACTCTGTGACC TCAGGTGATC TGCCCGCCTC GGCCTCCAA AGTGTGGGA
 33661 TTACAGGCCTT GAGCCACCAC GCTCGGCCAC TAATTTGTG TATTTGTAG AGATGGGCTT
 33721 TCCCTGTGTT GTCCAGGCTG GTCTGAAATT CCTGGGCTTA AGTGATCTGC CCACCTTGTC
 33781 CTCCCCAAAT GCTAGGATTA CTGGCGTGAG CCACCAAGGTC TGGCTGGAAA GATAATTCT
 33841 AACATTATCC TCTCTTAAAC ATTTGTTC AAAATTTAC AAACATGAGA GTAATTAAAT
 33901 TTGATTTCA AAATTCCCTT GAATACTTTC TTAATAGCAC ACAGAAAGCA CAAAGTATT
 33961 TACATTGTT TTAATGATGA AATTGTGAAAC CCAAACCTAC ACAAAAGAAA ACCCGTAACA
 34021 TTATACCCAT ACTAAAACA GATGCCCTCA TATACATAGT AAAACTCTG GGGGCAGTAG
 34081 TGAAGTTGGT TATTTACTGT TTTATGAAAG TGCCATTCA CGGGTGCAG TGGCTCATGA
 34141 CTGTAATCCC AGCACTTTGG GAGGTGAGG CAGGCTGATC ACGAGGTCAG GAGTTCAAGA
 34201 CCAGCCTGAC CAAAATGATG AAACCTGTC TCTACTAAA ATACAAACAT TAGCTGGCG
 34261 TGGTGGTGTG TGCCCTGTAGT CCCAGCTACT CAGGAGGCTG GGGCAGGAGA ATCGCTTGAA
 34321 CCTGGGAGGC GGAGATTGCA GTGAGCCGAG ATCGCACCCAC CGCACTCCAG CCTGGGAGAC
 34381 AGGGCGAGCT CCGTCTCGAA AAAAAAAAC AAAAAAGTC CGTCATAGTG ACTCAGTTT
 34441 AAGGAATAAA TCAAGGATAT TTAACTCAAT AGACTACAGT TAGCTAACGT GACTTGCAC
 34501 GAAAGTTATA CGAATATTGG TACTTATTCC CCTGCCCTG AAGTATGAAT TAAAGACTCC
 34561 AAAATTCTTT TTAGAATCTT CAGAGTAAA GCTAGAATTG GATTTTTA ATAATAAAA
 34621 AAATACTTTG TATCTAAATC TGGTGTATAA AATAACTTGG TGGATGATGC TTCAAGGCTA
 34681 TCCATCCCCA AATTCTCCC TGAATGATAA AGAGAATAAA TGAATATGTC AATTCAAAAG
 34741 TTAGAAATTG GGCCGGGCAC GGTGGCTCAC TCCTGATAAT CCTTCCGGAC GCTGAGGTGG
 34801 GTGGATCGCA TGAGCTCCGG AGTTCAAGAC CAACCTGGGC AACATAGCCA GAACCCGTTT
 34861 CAATAAATAA TAGAAAAAAA TGAGCCAGGC GTGGTGGTCC CAGCTACTCA GTAGGCTGAG
 34921 GTGGGAGGAT CACTTGAGCT CAGGAGGTCG AGACTGCAGT GAGCCGTGAT CGCAGTACTG
 34981 CACACCAGCC TTGGTGTCAAG ACTGAGACCC TGTCTCAACA ACAACAAAAC AAGTTAGAAA
 35041 TTTGGCTGGG CGCGGTAGCT CACGCCGTGA ATCCCAGCAC TTTGGGAGGC CAAAAAGGGC
 35101 GGATCATTG AGGTCAGGAG TTGAGACCA GCCTGCCAA CATGGTAAA CTCCATCTCT
 35161 ACTAAAAATA CAAAAAAAT TAGCCGTGCA TGGTGGCATG CGCCTGTAGT CTCAGCCACT
 35221 TGGGAGGCTG AGGCAGGAAA ATTGCTGAA CCCAGGAGGC AGAGGTTGCA GTGAGCCGAG
 35281 ATCATGCCAC TGCATTCCAG CCTGGGTGAT AGAGTGAGAC TCCATCTCGA GAAAAAAA
 35341 AAAATTCTGT ATGAACTGAA CAAAATATCC TTTAAATTAA AAATACATCT GAAAGATATT
 35401 TCAAAATATT TAGGAAAAAA ATTATAGGGA TCAGGCAAAT TCTGAGATTC CTTTTCCCT
 35461 GCAGCAAACA TTAGGAGTGC TGCTGTTCCCT AAAAACATGG TAACTGTTGC CACACCGTAT

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35521 GTTTCCTTGG CTCAGACATA AGGTTGTGTA GTTGTATTG CAGAATAGCT AGAATAAAA
 35581 TCCAGCACAT CATTTCCTTC AGCAAGTTAA CTAACCTCTC TGTGCCTTGG TTTCATAACA
 35641 GCAACATAAG CATAACAGAA TAGCAGCAAT AGCTCCTACC TACCTCATAA GATTCTTG
 35701 AGGAATTAAA TTAAGATTCA GAACACAGCC TAATATCTAG TAAGTAATAA TAATTGGCTA
 35761 AAAAAATTTC CTTAAGATTA TATATATTCA TGGGGTACAA GTACAATTAA GCTACATTAA
 35821 TATATTGCAT TGTGGTGAAA TCAGGGCCTT CAATCCATCC CGGAAAAAAA AAGTTTTG
 35881 AAAGATTCTC GCCATGGAAA ACTTTTAATG TACAAATTCA TCCATCCAAG AAATAGAAA
 35941 TATATAAGTA TCAACTCAA ATCCACCATA TCTATCTCTT CTACACCTTA ACAATTACT
 36001 CAGAAATAGA ATGCTTGAGA TACCGAGATG CATGCATATC AAGTAATAA TGCAATGCAGG
 36061 ATGTCACCGC ATCTTAGGCT TTCAAAATAA ATTGTCTAC AAAATACTTT AATATTGTAG
 36121 TAACATTCTA CATGTTAGAG TGTAGAAGTT AACGCTGTGAT GCACAAAGG AAAAGAACAC
 36181 ATTATACCCA AAGCCTACAG AGAGAATCAC AATTACAAAT ATCAGCCTGC ATGTGAAAT
 36241 CTTTAATTG AAAGTCAGAA ATATTAAAT GATAGTCATT GTTAAATCAG ATTGTGGTT
 36301 GAAAAAAAGT TAGTTAAAA CTGAGTTTAT GAAAATTG GGGATTTTAG AGACAGTGT
 36361 TTGTTTTAA ATGTGTGTGA GTTGTGAAG AATGTTTAT AAAATACTGA CAGTATTATA
 36421 AGATGACATT ATTATAATAC AACATAAGAA TTTTGGCCTG TACCTCTCAG CAGTCCTCAA
 36481 TCACCTGCTG TACTTGACTC AATGATTATC AGAGTGGTT GTTTCCCTC TGTTGTGTT
 36541 CCAGTTCAAG CAGCTCAGCA ATGGCCTGTG ATTCCAGCAA TTCAAATAGC TGGTAAGTAG
 36601 TTTCTTGTGTT GTTTCTCAA ATTTTCAGGG GCTTTCTCT ACAAGTGATT TCCAGTGCAC
 36661 GCCCCCTCCAC CCATTCTTTA TTCCCTTACCC TTCAGGAAAA CCCTCAGCGC TGCACTCTG
 36721 GTCACCGGAC CACCGTGGTA CATTACCTA TGGCCACCAG GTGTCACCC TCTCTTACT
 36781 ACCATGGTT GTGAATGGTT TTGCCAGAGG TGAATAAGAA TTTAAAATGC AGGTCTTG
 36841 TTTTCAAAAT GTAGTTGACC TTAAGAATTG ATGAATAAAAG CCAGAAAAAT TAAGCTTAA
 36901 AAACACCGAA AGAAAATGAG GACTAAAAT TTCTATTAAA AAAATTAAACA GGCCACAGTT
 36961 GCTGATGTT AGTAAATGTG TTAGTGAAT GTGTTACTGT GAAGACTGGG GTGTTCTTG
 37021 AAATCTCAGC CCAGGTGAAA TAAAACCAAT ATAAAACAAA TGCTTACCTA ATAAATTAAAT
 37081 TGTAACATAT TCCTTATGAG GTAGAAGAGT AAGTGAAGCC TTATAGCAGT CTGCTTTCAG
 37141 TATAGTAAGA TATTAAGAGA GAAATAATTG GTCATATGCT TTCAAGATGG TTTGCTGGTA
 37201 AAATAACAA TGTCTTACAA CTTAGACGAC AATGTCCTA GAGTGAAGAA ACACGATTAA
 37261 TTCGGCTACC ACAGTTGAAT GAAAATATTC CGTAAGACAA AATGTAAGA AATTAGAAGC
 37321 AAAATAATG TCTCCAAAAT GACAAAGCGA TTAAGTATAT ACACAAGATG AACAAGAACT
 37381 TCAATAAAAT CATGCAGTAT ACAATACAAT ATACATTAT TAAAGTATAT GCATTTTAA
 37441 TGCAACAATA ATACTAACAG GTAATAGACA AGTTGTTAAT AGTTTTCAC TGGCTAATTA
 37501 AATAACAGCT TTAATTGTAT TCATTTATA GCTTTCTAC AATGAGCGTA AATCACATT
 37561 ACTTTTTCT ACATAACTTT TCTAACCCACA AAAAAAGAAA ATGGTTAAA AGAAGAGATG
 37621 AGATATCTT GCTAAAATTG AATGCCAAA GAAGAAACTT CTGAGCTGTA TATGGTATCC
 37681 TGAAGCACCT GCCCTCAAG ACAGAATGCT TGACCACAT TTATGCAGCC AAGTGCATGT
 37741 AGTAACATAA AGTAAACACA TGCCATCTGG ATATATATAT TAAGACTCTT TTGACGGCTG
 37801 GGCAGGGTGG CTCACACCTG TAATCTCAGC ACTTTGGGAG GCCGAGGCAG GCGGATCAGC
 37861 AGGTCAAGGAG AGTCAGGAC CAGCCTGGCC AACATGGTGA AACCTGTCT CTACTAAAAA
 37921 TACAAAATT AGCCGGGCAT GGTGGTGCAC GCCTGTAATC CCAGCTACTT GGGAGGCTGA
 37981 GACAGGAGAA TCGCTTGAAC CTGGGAGGCA GAGGTTACAG TGAGCCGAGA TCATGCCATT
 38041 GCACTCCAGC CTGGGCAATA GAGTCTAAA AAAAAAAAAGACTCTTT GAACATGGTG
 38101 AACTGATTC CCAGAATCTA GCAATTCTG AATGTCCTGG TTAGATTTT TTTTAATGT
 38161 GCACCGGAAC CCCAGTGGCT CCATGGAAGG ACCTGGCAT CCTCTAAGCC ACTTGGTGGC
 38221 TTCCATTATA CCATCTCAA ATGAGAGAGC TTACTCCACT TCATTGAGGG AAATACCACC
 38281 AGAGTTCTGA CTCCAGAGGC ACTGGCTAG GGAGGACACC GTGTGTGAAG CCCAGCAGGG
 38341 CCACTAGCTG TCCCCACCAA TTACAGCCT TCGTAGGGT CCAAAGAAAT GAATGCCAA
 38401 GAGAGCAACA GAGGAGCAAG GGAGTCACAT TCCAGGACCT TCCTTCAGGG ACTTTTAAAG
 38461 GAAACATGAC AGCTGAGGAT CAGTTGGTT TTTCTGCTG TTCCCTTCA TGTGATTCAA
 38521 GCTCACTCAG AAGAAACACA ATGAGACAAG AGAAGAGCCA TCTCCTTCCT TCTCTATTAA
 38581 TTCTAGGCAT CTAACACTACT GAATGTAGTG GTGTCTGAGA TGTATCAAAC GGTCAGATTG
 38641 ACTGAGTTTG AAACCTGTTT CTATCACTGA CAAACTATGA GATACTCTAT ACTTCACTTT
 38701 CTTTTTTTTT TCATTTTTTTT ATTTTATTT TTATTTTTT GAGATGGAGT CTCACTCTGT

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38761 CACCTAGGCT GGAGTCAGT GGCGCAAAT CGGCTCACTG CAAGCTCTGC CTCCGGGTT
 38821 CATGCCATT TCCTGCCTCA GCCTTCCGAG TAGCTGGAC TACAGGCAGC TGCCACCACG
 38881 CCCAGCTAAT TTTTGTTATT TTTATTAGAG ATGGGGTTTC ACCATGTTAG CCAGGATGGT
 38941 CTCGATCTCC TGACCTCGTG ATCCACCCGC TTTGGCCTCC CAAAGTGTG GGATTACAGG
 39001 CGTGAGCCAC CGTGCCCCGGC CTACTTCACT TTCTTCATTT AAAAAAGAAA TGGGGATAAT
 39061 AGTACCTATC TCATAGAATT ATTGTAAGAA GTGCATGCAG TAATGCATGT AAGTAGGTGC
 39121 TCAGAAGAGT CGGACACGAA GTAAGTGCTT TTATCATCCT TATCATAATT TTCATTATCA
 39181 GAACAAGGAG AGACCAGGTA GAAAATTATT GTGATTCTTC AGGTCTGGAA TACTAGAGTA
 39241 GCATCCAAA TGAAGGCACC ATTAACCTTT GCAAATCTGT ATGACACCTT CATGCCAATT
 39301 AGAAAAAACAC CCTCTTCACA ACCCCTTCA AGATATTGAG CTCCTACCTG CTAAAAACAC
 39361 CCATCATACT ACCCACAGAT AGCCATGATG CTTTTCTGG GACAGGTGCC TCTTCCATT
 39421 GTGCAGTGTA CAGCCTTCAT AGCTGTGCAA CTCACATCAC AATCAGATGG AAGAATCCCC
 39481 AAGGCTTGGT GACAGATGAG TTACTGGGTA ACACAGAGAG AGGATTCAA GGAAAAGTTG
 39541 AACGGGTCCA GAAAATGCAT AGATACATGT GTAAAAATCT GGTAAGGTTA TGACTAGCCA
 39601 CGTCCCAGGG TTCAAAGCTT TTCTCAGATG TTAAAATGAA TCATGTAAGT CCCCCAAATT
 39661 TAAGGAGTCC TCTTCCAAA ATAGGAAATG AAATGACATA GGTGTATGTC TCTGAGGTGA
 39721 CGGAGGAAAT GAAGGAAGCC TCTAGATGCA GCTTGAGGTT CATGAGAGAC AGTTCCAGGG
 39781 GAGAGGTCAC AGCTAGGGAT CACCGGCATG CAGGAACCTCA GAAACCTAAA TGGGGAAATC
 39841 TTTTGAGGA AATGAACAGA GAAGGCTAAA ATCAAGGAGT TCGTCAGGCA ATTCTATGT
 39901 TTAGGTTCAA CTCTCTCCTG AAACATGAAG AGCTCATAAA TGCACCCCT CTTTGAGTCT
 39961 CTAGTTTGT CTCCTTCCCAGTGACTGATCTGC GCTTGAGGTT CATGAGAGAC AGTTCCAGGG
 40021 GACGTAGTGC CCCATGGCTC CTCCTGTGGA GACAAGAGAC CCAGGAAAGA GGCATCACAA
 40081 ACCTAGGCAC CATCTTGCTT CTTCTCTCTT CTTTATTTTC CTCATTCAAC CATCTCAATT
 40141 TAGACCTGGG CACTATTGGA TTTCAAGAAC CATTATCTCT CATCTGGAAA TGCTTATTGG
 40201 CTTTCTAATC GGTCTCCTCA CCTCTCATCT AACTCTTAA CAACACATTC ACCATATAAG
 40261 GGAGATCGTG GTCTCTCTT CTTAGGATCC TTCAATGACA CCCCAGTGAT CATAACCCAA
 40321 TATCCAAA GACCCTTGGA CTCTGTATGA GCTGGCTTCT TTCTGATTCT CTTTCCCTA
 40381 CACCACAGAT GTTCAGGGGG TAGAAATGCA TAATTGGTGA GTGATAGCTA CGCAAACCTCA
 40441 GGGTTAAAGGT ACAGTAATTA TTTCTAATCT CCCAGTATGC CTTATACTCT CCTACTTGGC
 40501 ATGGTTGCTC CGTCTGTGTA GACCTCCCAT CATCTTCAAC CTCACCTAAT GGAATCCAGC
 40561 TTCTCCTCA AGATCCAGAA GGCTATCTTG ATCCCCAGCT GAATGTGATC ATTCTTTCCCT
 40621 TTGACACCTT AAGCATTGTC TTCTGCCTG CTTTAGGACC TCATGGGTC TTCTTTAACT
 40681 ACATTTACTT GCTATCAATT TCATTCCCTA CCAGATTGG GTTCTGAGAA TAGCCACAGT
 40741 GACTTCTCAA CCTCAAAGCC CCTGTACTAC CTTAACAGC TCTTGAAAAA TAGTAGGTGC
 40801 TCTGAAGATG TTTGTTGAAT TAGAGACTTT CATTCTGGGG AGAACCATTA TTTTCTGTCT
 40861 CCCAGGGAGC TGCTGGTGTCC CCAAAGAAT ATAAATGAGA AAAATGCTTC CCATGGATGC
 40921 CAGATCCCT CTGCCCCCTCT TCCCACGTG CCCCAGGGCA GAGGTACTAA GAGACTTCCC
 40981 CCTTGTTCCT ACTCACTTGA ACCCTGCCTC TTCTTAATA TTATGAACAA AATTCCAATG
 41041 AACAAAGATGA CGACAAAAAC AGCAATTCCA CTGATGACTC CAATGACTAG GGTGCCAGAC
 41101 GGTGAGGGCT CAAAAACAGA AAAAGCAAGT TAAAGCCTTT GATTGCCACC CTCAGCCCC
 41161 CCCCTAACAA AGAGCAGATC CTCATCTCAC TGCCATAATT ACCTCCTCAG GCACTCCTCT
 41221 CAACCCCCAA TAGATTTCT CAGCTCCTGG CTCTCATCAG TCACATACCC CAGATCACAA
 41281 TGAGGGGCTG ATCCAGGCCTT GGGTGCTCCA CCTGGCACGT ATATCTCTGC TCTTCCCCAG
 41341 GGGGTACAGC CAAGGTTATC CAGCCCTGGT AGGTCCCATC CCCATTGGG AATACGTCTT
 41401 TAGGTTGAA CTCTTGGCA TCCATTGGCT GCTTATCCTT CAGCCACTTC ATGGTGATGTT
 41461 TCTGGGGTA GTAGTTCAAG GCCCCACACC GTAGAGTGGT CACTGAAGAG GTCACATGAT
 41521 GTGTACCTT CACCAAAGGA GGCACCTGAC AGGAAAGAGG AAGGATGAGG AGAGGGGATC
 41581 TGTTTACCT TGCCAGGAAG ACTGGAACTT TCACCTCCTT CTATAGGTTG GAGGAAGGAA
 41641 ATACCCTTTT CAGAAAAAAA CAAGCTACAG GAGAGACACC ATTTGTGTC CTAAGATTGG
 41701 ACTCTAACAC AGTGTCACTT GGAGAGCAGT CAGATCAGCT TGTTCTCCTC ACATGAAAT
 41761 ATACATATCT GTTACCCATG TTCTTTGTTC TGATAGATAA AATTGCCCTT TATGTGCATT
 41821 GAAAATGATT GAATACAGAT GGTCAGTTTC ACCTGGGTCA ACCTAGGAGG CATTGTTATA
 41881 AGAAGCGGAC TTGTAAGATA GGTAGCTCA GTGATTATTG CTATGTTCTA TGAAAGAAAC
 41941 TTTAACCTA AAGGATTCTT CTACTCTGAT AAGTGGCCTC ACTTGATATT TTGTCCCTGGT

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42001 ATTCAATATGA TAGCTGAGAT CTCTGAATTCTTTTTTTTTTTAAGAT
 42061 GGAGTCTCAC TCTGCTGCCT AGGCTGGAGT GCAGTGGCGC GATCTGGCT CAGTGAAC
 42121 TCCGCTTCCC AGGTCAAGC GATGCTCCTG CCTCAGCCTT CCAATTAGCT GGGACTACAG
 42181 GTGCGCATGA CTGTGACCAAG CTAATTTCAG TATTTTTTTA GAGACGGGTT TCACCATGTT
 42241 GGTCAAGGCTG GTCTCAAACCT CCGACCTTG TGACCACCCG CCTCGGCCCTC CCAAAGTGCT
 42301 GGGATTACAG GGGTGAGCCA CGTGCCCCGG CCTTGACATT TCTGAATTAAACAGAGTAT
 42361 AAATATAACAA AAGATTATTG GTTAAATAAA AAGCAAGGGC CATAGACACT TCCCTTGAG
 42421 CCATATGCAT GGAGAAAAGA AATTAAACCC ATGACTTGTG GCTGTCTCAT ACATCTCAAT
 42481 TATAAGGTAG AGACTCTAGG ATTGAGAAAG TCCCTTCCCA GAATTGGAG AGGCACACAG
 42541 CCTCAGCCAC CTCTGAAACCT CCAACCAGGG ATTCCGTGCC CTGCAACCTC CTCCACTCTG
 42601 CCACTAGAGT ATAGGGGCAG AAGTGTGTT CCACCATACC TTGTTGGTCC AAAACACCTC
 42661 TCCCCAGCTC CAGCAACTGC TGCAGCTGTG CAGGGCAGTC CCTCTCCAGG TAGGCCCTGT
 42721 TCTGCCTGGC CCGAATCTTG TGCCCTTCCC ACTCCAGCTT GGTGGGCCAG GCCCTGGGTT
 42781 CTGCTGCTCT CCAATCCAGT GTGTCAGGGC AGAATTCAAG GTGGTCTGC CCATCATA
 42841 CGTACTTCCA GTAGCCCTCG GTACTGTTGT CTTCTTGCAT TTCACAGCCC AGGATGACCT
 42901 GCAGGGTGTG GGACTCTGGA AAAATCCCCA GCCTTGTAA CTGCAACCAA AGGAATAGGT
 42961 CCCTATTTC ACCATCCCCA AGGACCAAAT GATCTCAGGA AGCAAATTCC TTCCCTCTTC
 43021 CCTGCTCCCA CAAGACCTCA GACTTCCAGC TGTTCCCTC AAGATGCATG AAAAGATGAA
 43081 AAGCTCTGAC AACCTCAGGA AGGTGAGGCC CCCTCTCCAC ATACCCCTGC TGTGGTTGTG
 43141 ATTTTCCATA ATAGTCCAGA AGTCAACAGT GAACATGTGA TCCCACCCCT TCAGACTCTG
 43201 ACTCAGCTGC AGCCACATCT GGCTTGAAT TCTACTGGAA ACCCATGGAG TTGGGGGCTC
 43261 CACACGGCGA CTCTCATGAT CATAGAACAC GAACAGCTGG TCATCCACGT AGCCCAAAGC
 43321 TTCAAACAAAG GAAAGACCAA GGTCTGCTC TGAGGCACCC ATGAAGAGGT AGTCAGAGA
 43381 GTGTGAACCT GGAGACAGAG CAACAGGCCT TAACCATGTG TAGTAGGAGG GGAGCAGGAT
 43441 GTTGGGGCTC CACACACCTG CATCAACTCA TACCATCAGC TGTGTCGGT CCTCATTTTG
 43501 TGAAGGGTGA GTTGCAGTCC TGTCTTCTT CCATATGACA GTCTGGGTG CTCTTCCCTT
 43561 GTGTGCTTT CTCTGCCACA CGTGGCTGCC ACCCCCTCAC TGCCCCCAGA TCCTATTCCA
 43621 ATACTCATGA TTAGACAGAC TCCACTAAAG CTGGTGGATT CTAGAAAATG TTAAGGTGTG
 43681 TCTAGCCATG GTAGTTGAAC TCAGGAGTTG GTGTCAGGG CAAATTAGAC CCAAATCCTG
 43741 AGGAATAATT CCTTCAGTTT TTTTTTTTTT TTTTTTTTTT TTTTTTGAGA CAGAGTCTCA
 43801 CTCTATCACC CAGGCTGGAG TGCACTGGCA CAATCTCAGC TCACTGCAAC CTGCACCTCC
 43861 TGGGTTCAAG GGATTCTCCT ACCTAACCT CCGAAAACC TGGGACTATA GGCGTGC
 43921 ACCACACCAG GCTAATTTC GTATTTTAG TAGACATGGG GTTTCACCAT GTGGCCAAG
 43981 CTTGTCTCAA ACTCCTGACC TCAAATGATC TACCTGCCTC AGCCACCAAA GTGCTGGGAT
 44041 TACAGAAGTG AGCCACCGTG CCCAGCCTTG GTCCCTGAATT CTTACACTGA ACTGCCTATG
 44101 TGGCCTCACC ACTTGGAAAGC CTGACTGGAA TCTCAAACCTT AACATGTCCA AATGCAGATC
 44161 CTTGATTAC CCCAAACTGC TCTTCCTCT GCCTTCACCA TCTCAGAAAT GGCAATTGCCA
 44221 ATTACCCAC TGCTCAGGCC AATAAAATTA AAATAAAGAA CAAAGTCAC TTTAACTCTT
 44281 CTCTTTTCA GGGGGTCAGG GGAGACAGGG TCTTGCTCTG TCACCTAGGC TGAAGTACAG
 44341 TGGCACAGTC ATGGCTCACT GCAGCCTCAA CTTCCGGGC TCAAGCAATA CCCTCCACCT
 44401 CAGCCTCCCG AGTAGCTAGG ATCACAGGTG CATGCCACCA CACCCAGCTA ATTTTGAT
 44461 TTTTGTTAGA GAAGGGGTT TGCTGTGTT CCCAGGCTGG TCTTGAACTC CTGAGCTCAG
 44521 GAATCTGCTC TCCTTGGCCT CCTCCTGGC ATGAGCTACT ACACCCAGCC AATTCTCTC
 44581 TTTCTCTCAC ACAACATAGA ATCCTTCAGC AACTCCTTC AGAATATATT CAGGAGACAA
 44641 TGGTTTGTCA CTCCCTTTTC TGTTCCACC CAGCCCACTC CACTACCTCT TGCCTGGACT
 44701 GTGTAACAGC TTCTGGCTG GGCTCCCTGC TTTTACTGTT GCTCCCTCA TTCTGTTTC
 44761 CACATAGCAG CCAGAGCAAT CTTTAAAAG CCTGTGACAG ATCACTGTTA CTCCTTGGCT
 44821 AGAATTACACA CCACAGCCTA CAGGGCCTG CACAACCTTG TTTGTGGCTC CTCTTCTGAG
 44881 CCCATTACCT ACTTCTTGGC CTCTACTCCC CAGCACTACT TGTGTTATTTT TTCAACCCG
 44941 AGCTTCTTAA CCAGGAGTTT GTCTACTAGG TGACATGTGG CAAAGTTTAG AGACATTTT
 45001 GGTTGTCAAG ACTGGGGGAG TGCTCCTAGC ACCTAGTGAG TAGGGAGGAC AGGATACTGC
 45061 TAGACATCCCT ACATGCAGAT GGTAGTCCCC CTTCCCACCC CCACGGCGCC CCCCCCCCCC
 45121 ACACACACAC ACATGAGTAG TGCTGAGAAA ACCCGTTTT TAATCCAAC TGCCAGGCC
 45181 ACTCAGTTG CCTGGAAAT ACTGCTCCA GTCAATATCA TTCTTATTTC CTTCATGTCT

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45241 CTGCTCAAGT GTCAGCCCCA GAGTGACTTG CCCTGACTTC TCTGCTTCTC ACAACACCCA
 45301 TGATTTCTG ATGGTGTATA TCTTTCTGCT CATTGCTTA TTGTCATCTC TCCCACCTAGA
 45361 ATGAAATA TCAAAGGGTA AAGACTTGT TCCCTGCTCT CTCCCTGGG GCTTGAACAG
 45421 TGCAACACAT GGCTGGGACT CATTACACT TGAAACAAT GAATATTCT GCTCAACATG
 45481 AAATTTATT ATTCAACCTC TAATGCAGTG TGATGTTAA GAATCATAGC TATGAAGTGG
 45541 AGACATGAGC TCTGCCACCA AAGCCCAGTG TACCATTGAA TAAATTGCC AGGAAGCAGG
 45601 CGGTGCCATG CCTCATTCTT GTCATGTGTA AAATGTGGAT ACACGTAGTA CCAAAACTCA
 45661 AAGTGTGTG CTGAGGCCGG CGTGTGACCC ACAGAACACT GTGCTACACT ACAGGGCAA
 45721 ATCACTGTCA ACTAAGATTA GAAGCAGCTG TAGTACTTGA AATAACATCA GAAAACCAGA
 45781 TTATTTATGT TCTTGTAACT CTGAAAAGAG TTATATAATC TGAATTCCAG TTAACCTCTA
 45841 GTAAAATAA CGTATTATTA GCTCCTACCT CCCTATGCCT AGTAAAATC AAATAAGATC
 45901 AGATATGAAT GTAACCTAGA AGTGAGTGCA TTGCTTACAT GTTCATTATC AGTACTTTGT
 45961 AGAGAGGCCT CTTAATTACA CAGCACATTG CAAATCAATA AAGCCTAGCC GAAAAGAGAA
 46021 TTGTTCAAGT CAAACGTTCA AAACTAACAT ATACTTAATT TTCCAGGCAA AAAACAATT
 46081 GCCAAGAGTG GGGAAAGGCC CGAGGTAGGC CTCTCTCAGG AGCCTCCAC CCTAGAGACC
 46141 TCCACCCAG GTCTCACCAA AAGTGGTGG AATGGTGAAG AATTCAAGTC CCCAACGCCA
 46201 CTCTTCGCG CCCCCACCGC CCAACGCATT CGTTCTGAGG TGGAAACCCC GTGCGGATCC
 46261 TGCTGTGGGT TTGCTCAGCC TTCTCGCAA GCACTCAGG AAGAACTTCC TGTTGGAGA
 46321 TGACTGGGAA AAAAATGCA CAGCTGACAT TGAAAATAAA CCCGAGTTCC AGGTTCAAGG
 46381 AGCCCCAGGC TTAGCTCAGC TCAAGTGAGG AACTACGAGA TTTATTTAAA AGCATTCTAG
 46441 TTGGGGGAAG GGAGTGGCG GTTCCAAAAG TCACTCCGCA GAGCCGGGAC AGCCGGGGGA
 46501 GGGGGCAGGT CCTGGGGCGA GGGACCCCTA TCTGCAGTTC AGTGGTAGGC ACTCCCTCAC
 46561 GGGGTCTGGA CGCAGAAAGT AGGGAGAGGG GCTTGCAGGAT AGGGTTGAGC AGGTCTCCA
 46621 AAGTTAGCAA ACTCCCAAGC GCAAAGAAAA AGCTAGTTTC GATTTTCCA CCCCCGCCGC
 46681 GCCCCTAGTT CGCCCGCAGC CCTCGGACTC ACCGAGCAAG CGCCCCCTGCA GGACCGCGGT
 46741 CTGAAAAGC ATCAGGAGGA GAAGCGCCGG CCTGGCTCGC GGGCCCATTT CCCCAGCTCT
 46801 GGCGCACGT CCCCGTTAAA TCTCCGCTTC TTTTGGGGGG CGGGGAAACG GGGATGGCTC
 46861 CAGAAGTCAC CCTACAGCTA TTGCCTAGGC TCAGGAGATG CCCAGTAAAA CTTCCTGGTG
 46921 AAAAGCAACA GGTCTTCAG AACITTAGTT CTCTCTCTCC TACAGCAGAA GGTACCTGCT
 46981 TGTGAAACAC TAGGTGATCC AGTGTCCCCC TTGGTTTTA AATCCTGAAG GGGTGTGTT
 47041 GATTGGGAA AGTAGCTTCG CAATGTTCTG ATCTGAACCT TAGATATTAA AATATTTATG
 47101 ATTTTCAAAA TTCAATCATA CATTAAAAA TTTTATCTCA ACCTTAGACC AACTTATGTC
 47161 TTATTTGACT TAGAAATATA AAGCTTTTC ATTTGTTTT TTGATTCAA TTAATTAAGT
 47221 CATAACATTA ACCAATTAGA TCCTACTGAA ACACCTTCCA CAGCCTTCAT AATTGAATTA
 47281 TCTGACAAGT GTTACACAAA CTTTACAGTA TTGGGATTAT CTGGAGAATG ATTAACATA
 47341 TTGAGGCCTG CTCCCTAACCC CAGACACACT GATTTAATGG GTAATTGTTA GGTAGTTAGA
 47401 CATTAGCAGT TGGGAGGGGA TGACAGAAGA GAGCGGAAAG GCTGTCACTA AGACAGCCAC
 47461 TGGCCCACCT AAATTCAAGGC CCAAGACTAC CCTAATGCC CCCTAAGGG TGGAGTTAT
 47521 GATAAAGTCT GTGGCCAAAA TATCCTGGAG AAAGAGAAAG GAGGGTACAG GTGGAAATT
 47581 CCTAAGGTGG CACATGCCCA ACAACACAAA AGCCTGCTT CAAGTCACC CCAAGTTCAT
 47641 CATGCCATCA TTATAATAGA ATTTACATAC AGTTTGCCC CCCCATCCCT GGGAGGCTTT
 47701 TCTTAACAAA TTATAGGTAA GACCATGCAC AGTTAATT TAGATTGTAT AGCTATACAC
 47761 TTCAATCAAA TAACATCATE CTGTCACTCA GATACAGCCC AAACCTCAAC TCCTCCCCAC
 47821 AAACCCATA AAAGCACCTT GAGCTCTGTA AAAAGTGCT GAGTCACTT CGCAGAAATA
 47881 AGCCCGCTGT CCCTCAGAGT GTATTATTGT GCTTCAATAA ACTTTGCTTT AAGCTTGCAT
 47941 TTTGGTGTAA GTTGTAGTT CTTTGCTCAC TATCACAAGA ACTGAGATTG CTGGTTCAGA
 48001 GCTCCGGCTA TAATAATCTC CTCGGTTAAA GGATCCATCC CAATGCATAA TTCCCAGTAA
 48061 CAGTATGGGA TGCCACCTGG GCAATGGGAT TTAAAAGCT TTCCTCTCC CTCAACGAAG
 48121 TTTGGGAAATT ATTGCCTTAG ACATTCAAA CAATATTAAT AAATTAAATA CACCTGATT
 48181 GCTCCAAACC TTACATATC TAGCAAATTC AACAGGGCAT ATTGTTGTAA GCATGTATGC
 48241 AAATTTGGC AATTCAAGAA AATCAAACAG GATATCAGGG CCTCGACTGT AGGCAAACAG
 48301 ATACAATAAC ATTGGAAACA TGTAGAATAT TGATGATGGG CACATTGGGG CTGATAGTAC
 48361 TATTCCCTTT TTTCAATTAA TGGTAAGATA TAATTAGCAT ACCATATAAT TCATCTATG
 48421 AAAATGCAA AATTGGCCCG GCTCAGTGGC TCACGCTTGT AATCCCAGCA CTTTGGCGG

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48481 CCGAGGAAGG CAGATCACCT GAGATCAGGG GTTCGAGACC AGCCTGGCCA ACATGGTGAA
 48541 ACCCCGTCTT TACTAAAAAT ACAAAAATTA GCCGGGCGTG ATAGCAGGCA ACTGTAATCC
 48601 CAGCTACATT AGAGGCTGAG GCAGGAGAAT CGCTTGAACC CGGGAGGCAGT AGGTTGCAGT
 48661 GAGCTAAGAT CGTGCCTCA CACTCCAGCA TGGGAGACAA GAGCAAGACT TCATCTCAA
 48721 AAAAAAAAT TAGCTGGGTG TGGTGGCATG CACCTGTAAT TCCAGCTACT CGGGAAGCTG
 48781 AGACAGGAGA ATCGCTTGAA CCTGGGAGGC GGAGGTTGTG GTGAGCCGAG ATCATGCCAT
 48841 TGCACTCCAG CCTGGCAAC AAGAGCGAAA CTCCGTCTCA AAAATAAAAT AAATAAAATA
 48901 AAATGCAAA ATTAATGGAT TTTAGTATAT TTACAGAGAT GTGCAACCCT TACCAAAATT
 48961 TTACATTCT ATCTCCCCAA AAAGAAACCA TGGTCCCCTA ATTCACTGACC CTTAATTCTAT
 49021 CGCCTCCAG ATTCCTCCAT TCTCCTCCTC CTCCCCCTCCC AGCCCTAGAC AATCTTTAAT
 49081 CTACTTCTT TCTATTGGA ACATTTAGTA TACATAGAGG CATATAATAT ATTGCTTTGC
 49141 CGTGACTGGC TTCTTCATT TAGCATAATG TTTTATGTA TGTTTTTCAT GGACCAATAA
 49201 TATCTATTAT AAGGACATAC CACAACATAT TTTATTTATT CATTCACTCAG CCGATGGACA
 49261 TTGGTTTGTG TCTACTTTAT GGCTATTGGG AATAGTGTG TTATAAACAT TTATGTACAA
 49321 GTTTTTTGTG AGACTTATGT TTTGATTCT TTTGGTTATA TATCTAGAAG TGGGTTTGCT
 49381 GGGTCATATG GTAACACTGT TTAACCTTT GAGGAATTGC CACATTCTTT TCCAAAGTAA
 49441 GCATTTTATC CTCCTATCAG CAGTGTATGA GAGTTCTGAT TTCTCTCCAT CTTTGCCTGG
 49501 GTTTTGAAAT CAGGGCCCCA GATAGAACAA AAATGTGGTT ATTCACTGTT TCCACCCTCA
 49561 CTTGTTGAGA AGACTCTTTT TTCATTGAAG TGGTTGGCA CCCTTATCAA AAATCAATCT
 49621 ACCATAAAATG TGAGAGTTA TTTCTGGAGT CTCATTAAAT TCCCATTATG CTATAATCTA
 49681 TAATCCTATC TTTTTTTTTT TTTGACAGAG CCTCACTCTA TTGCCCAGGT TGGAGTGCAG
 49741 TGGCCCAATC CCGGCCACTG GCTCCTCCTC CCAGGTTCAA GCAATTCTCC TGCCTCAGCC
 49801 TCCCAAGCAG CTGGGATTAC AGGTACCTGC CACCATGCCT GGTTAATTCT TGTATTCTTA
 49861 GTAGAGACGG GGTTTCACCA TGTTGGTCAG GCTGGTCTGG AACTCCTGAC CTCAGGTGAT
 49921 CTGCCACCT CAGCCTCCCA AAGTGTGGG ATTACAGGCA TGAGCCACCA CACCCAGACT
 49981 ATAATCCTAT CTTATGTCA GGACTACACT GTCTTGATTA CTATAGCTTT TTAGTAAATT
 50041 GAATTCAAGA AGTTCTCAA CTTCAAATTG GATCTTTTT TGGAAGACTA TATTAGCTAT
 50101 TCTCAGTCTG CTGAATTTCCTAGGAATTT TAGGATCTAT TATCAATGTC TATTCTATT
 50161 TTGTATATGT TTTAATATTT TCATAAGAAA CTTTTTCAT TTAAACTTT TTTTTTAAGA
 50221 AAAATAGTA AAATCAGAAC ACTGGGGTC AGGCGCATT AACAGGCAGA AGAAGAATAA
 50281 AAACCTGTCA TATAAACAAA AAAGAAATGA CCAATCACAT TGTGGAAGCC ATGGAGTGGT
 50341 TATAGGTGCC AAAGGCTGCA GAGAAATGGT GTCAGATATA CCTGAAAATT GTCCATTGTA
 50401 TTTGGCCATT AAGAGACTTA GAAGACTTAA GCCATAGATT GCTCAGTGTGAG ACCCCGAGGG
 50461 CAAATGGTCT GAAGGTGAAT AGATCATTTC ACCTTTAAGA GAGCAGGTAG GAAGCTATAA
 50521 ATCCAAGATT AAAAGTTGA CTGAACTGTT AAGGAAGAAA CTCTAATCTT GAGCCACCC
 50581 ATCCTGGCTC CACCTCTGC TGCAAGCAAA CAGAAATGCT GAAATTCAAC ACTCACAAAG
 50641 GCTGGTAAGC TGAAAATGAC AAAAATTACT CCTGGGAAAG TCAGATTTAG ATTAGGCCA
 50701 TATTGTTGG GGTCAGATT TTCATGTACA CTGGGAAAG GGTTTAGCTT ATAGGCACAT
 50761 GCATGAAGGG AACTGGTATA GGGCTGTGTT CATAAGGTCA AGAGTTGAAG GCCAGGCATG
 50821 GAGGCTCTTG CCTGTAATCC CAGCACTTT GGAGGCCAG GCAGGAGGAT GGCTTGAGCC
 50881 CAGGAATTCA AGACCAGCT GGGAAACATA GGGAGATGCT GTCTTCACAA ACAATTAAA
 50941 AAATAAAATT AGTCAGGTGT GGTGGCACAC ACTTGTGGTC CCAGCCACTC AGGAGGTTGG
 51001 GAAGATCACT TAAGCCTGGG ACATTGAGGC TGTAGTCAGC CATGATAGTG CTACTGCACA
 51061 CCAGTCTAGG TGACAGAACAGT AGACCTGTC TCAAAAAAAA GAGCTGTATC CACATCCCAG
 51121 GAAAGTGGTT GAAGATCTAC TTTTCTCTGT AAACCTAATA AAGAATAGAG TGACAAATGT
 51181 GTGTTGTGGA AAGAAATGGG GTGAGAGCTA CGTAGATGCA AAACAATACA TCCCCACATA
 51241 CCACTGTTA ATCATCCTT TCCACCCACT TATGGGATGA ATTGCATCTC CCCAAAAGAT
 51301 ACTCTGCTCCT AACCCCTAGT AGCTGTGAAC CTGACCTTAT CTGGAATACG GTGAGTTCAC
 51361 TGGTTAAGAA GAGATTATAG TGGAATAGGG TGAGTCCTCC AACCAATGAC TGGGGTCCTC
 51421 ACAGACACAG AGGGATGATG GCCAGGTAGA GATGGGAGGCA GAGATTGGAG TTATGCTGCC
 51481 ACAAAACAAA CACAGGAAGC TGCTAGAAGT GGGAAACAGGC AAGAAAGAAT CTTCCCCAG
 51541 AGGCTACAGA GGGATCTTGG CCCTGATAAT ACCTTGATCT CAACTGGCCT ACGTAACGTG
 51601 GAGAGAATAA ATTCTTTTG TTCTAAGCCA CCCAGTTGAT AGTACTTTGT TACGGCAGCC
 51661 CTAAGGAACCT TGATATACAT TTCTTTACT GTCATAGAACAG TTTGAATCT TTTAAGTAGG

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51721 TCTGTACCCCT TCCTCCCAGT GTCAACACAT GGAATTCCCTC TCCTTGCGC TTGAAAAGTG
 51781 AAAGGTGTTT GAACTGGTAA TGAAAGAAAT CTCAGCATGA GGCCAGATGC TGTACCTCAC
 51841 ACCTGTAATC TCAGCACTTC GGGAGGATGA GGCAGGCGAGA TCACCTGAGG TCAGGAGTTC
 51901 TAGACTACTC TGGCCAACAT GGTGAAACCC CATCTCTACT AAAAACAAAA AATGTTATCC
 51961 TAGCCGGCA TGGTGCCTGT AGTCCCAGCT ACTCAGGAGG CTGAGGCAGG AGAATTGCTT
 52021 GAACCCGGGA GGTGGAGGTT GCAGTGAAC GAGATCACGC CACTGCACTC TAGCCTGGT
 52081 GAGAGAGCAA GACTTGGTCT TAAAAAAAGAG AAAAGAAAAA TGAAATTCA GCATTATAGA
 52141 ATAAAAATGT TTCCCCTTCC CCCCAAACCTT TAAAAAAAGCA GAAGTCTGCA TCATAAAATG
 52201 GTCTTGCCA ATGTTATTTT TATTATAACA AAGGAATCTT GCAAGGCTAC CAGATCTCAG
 52261 CAATTGTCAC TATGTTCTGT AAAAATCACT TCCTAAAATG TCTGAATTGA CTGCTTGTCT
 52321 CATTATTTG TTTCTCGTGT CATACTGCAA TGGATATCTG TCTTGTAGT ATAATATT
 52381 GTGCATTGGT TTGTTGTTAA AACAGCTTT TTGGCCTGTC TTCTTCACC TATGAGGTAA
 52441 TATAAAACTC ATGTTAACCA CTTATTTTG TAGCAGGACA AGCTACAGAC AAAACCCCTC
 52501 AGACACTGAG TTAAAGAAGG AAGGGCTTTA TTCAGCTGGG AGCTTGGCA AGACTCACAT
 52561 CTCCAAAAAC CGAGCTCCCT GAGTGAGCAA TTCTGTCCC TTTTAAGGGC TTGCAACTCT
 52621 AAGGGGGTCT GTGTGAGAGG GTCATGATCG ACTGAGCAAG TGGGGGTATG TGACTGGCAG
 52681 CTGCATGAC CAGTAATCAG AACAGAACAG GGATTTTCAC AGTGTTCAC CACACAATGT
 52741 CTGGAATCTA TAGATAACAT AACCGGTTAG GTCGGGGTC AATCTTAAC CAGACCCAGG
 52801 GTGCAACACC AGGCTGTCTG CCTGTGGATT TCATTTCTGC CTTTAGCTT TTACTTTTC
 52861 TTTCTTGGA GGCAGAAATT GGGCATAAGA CAATATGAGG GGTGGTCGCC TCACTTATTC
 52921 ACCCCCCTTG AGAATCTCAC TCATTAGTGG GAGTTCTCAC TTTTATTCTC ACTACCTATG
 52981 TCTTCTTGAAG AGACAGATTG ATAATGATTC ATATAGTACA CTTGTGCTGA AGCATTGG
 53041 TGAGCTAAGG TAGTGATGAA GCTTTTATC ATTGGAGAA GTACAGGTAG CAAACAAGGA
 53101 AGCAGTAAGC AGGTTCTAT TAATATTATA ACTCCTATTAA TAAGAGTTT AAATCTTCTT
 53161 AGCACTCGGA ACCATTTC AAACATGGCC CCAGAAACAA ATCCATACCA CACCTACATG
 53221 GGCACATGTG CCACTTTGT CATATTCTA ACTATGTCTT CAACTACTG CCCTTAATCA
 53281 TCTATGTGTA GACAGCAATT AGTAAGGTTA AATTCTCTAC AGACCCCTCC TTCAGTTGCT
 53341 AGCAAGTAGT CGAGAGCCAA TCCATTTGA TAGATAGCAT TTTGCATCTG AGTTCTTGC
 53401 CAGGCCACAG TAGTCAGGGC TCTGCTGGTC TTATTAGTAA TTATTCTAA GACAGCTTGT
 53461 AACCGTATGA TTCAGTTGAG CATGAAATG GGGTCCCAT ATCCCCACAA GCCGCTTGT
 53521 GCCCAAGTAG CAGGCCCAT AATATTGTATG ATTCTCTCAG GGGCCATTC ATTATTTTC
 53581 CAATTCTA TAGCTATGCT TTTTTTTTT TTTTTTTTT TTTTTTTTT TTTTTGC
 53641 GAAGCATATA CAGGAAGGCC CAGGAGTTG CCTGTCTTA TGGGCAGTAG GAAGAAAGAT
 53701 GGTTTAGTAG TGTCATAAAC ACAACTACCT GCCCACTGGT CAGGTAATTG GGCATAAGCT
 53761 GTATGCCAC ATATCCAGTA TAATCCAGTG GGGGCTGTCC AGTCCCCGGTG GGACTCTGGG
 53821 TGGGTCCACA CAGTTGCAA CTTTGGGAAT TTACTAAATA GATTTTCTT AGTGTGGTTT
 53881 GAACTCCACT AGGTGGCTGT TTTTATAGTA CTATTATACA GTTTTGCCC AAGGCAGCTG
 53941 AGTCTCCCA CAGGAAGGGT GAAGTCCTTC CCCACTTTG CTATACAGTA TTGTCTAATG
 54001 ATTGAGGCTT TTAGGACCCA GAAGTTATCA GGGTGGACT TTTGAGCTGG GAATTATCA
 54061 GGAACCTGGT CTGTAGGTAC TAATTCTCGT GCTTCCCATG GCCATTGATC TCCCATTACA
 54121 GTTCCTCCAC ATACATACAT AACATGAAGT GACATTGAGA GACTGGCTA CATGCTCAGC
 54181 TAATTGCAA ACAAATTTC TTGTTTTCC TGGAATTCT AGTACTGGCA CATTCACTTC
 54241 ATCATAAGAA GGTTGAAAT ACTGGCTCAG GGGAGCATTG ATAAACTTCT CCTCAAACCA
 54301 CCATATTAC TCAAGGATCC AGTCCAGCCC CAACTATTTC TAAGGTTACA CGATCCCCTT
 54361 TTTTCCAGTG AGAATCAAGG GGGTTGGTTA TTACTAGTTC TAAGGGTTA CACTGACCAC
 54421 TGGTACAGGA AGGGCCACTT TTCCCTTCT GAAGGTGGAC AGGATTCTTT TTATTTTTA
 54481 ACCAAGTTGC CAAATGACA CAAGACCAGT ATCTACATTG ATTCACACGC AGTCTTAATT
 54541 CATGACAAGC GTACTTATT TCTGCCATAT AGCCTCTTC CTAATGAACA GAACCACATC
 54601 CTATTTCTAA CTTATTACTA TTAATGACAG CACAGGCATC AAATTCAAG GTGACTTGT
 54661 TGGGCATTCC TTTTCTTCT GTTTTGGCTA ACACCTTACT CGTATCGTT ATGAACCCCC
 54721 ACCAGTCCTC AGTCCCTCAAT CTTATTCAA AAACTGTGGT CGTGGGAGGC TCAGATGGGT
 54781 CATAACACAC ATCAGGTTGG TCATTTCTTG GGCTACCTAC CTTGTATAGA ATAGCATTAT
 54841 ACAAAACAAGT TATTTTTAGA GTCTTGTAC ACTTATAATA ACCATAAAAT AATAAGACTG
 54901 TAGCAACTTT TTGTCCTACC TCAGTGAATT GATGTATACA CTGGGAACAG CCCTCAGTCT

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54961 GAGGAAGGTT AGTGAAAGTC TTTACTGTGC AAGTCCAAAT TTTAAGGAAA ATGAGTCCCT
55021 TGATGAGTTT TCTCATGTTT CGGCCATGCA TGACCAGTC AGCTTCCGGG TGTGACTGG
55081 GCAGGGCTTG TTGTCCTTCTT CAGTCACCTT GCAGGCCTG GCGAAGCTGC CACGTACAGC
55141 TCACAGTCTA CTGATGTTCA AGGATGGTCT TGGAAGTTGG GCCCACTAGA ATTAACGTGAG
55201 TCCAATACCT CTACTCAGTC ACTTTCAACT GGGCTTCTG ATACCAGGAG CAAGGTGGCA
55261 GGTTTAGGG TGTTGCAAAT TTCAATGGTT ATGCAGGGAT TTCACATAG CAAACTTTGG
55321 TACTGGTTA ATCTAGCATT TGTTAGCCAA TGATGTATT ATTAAAGTCA CCACAGCATG
55381 GAGGGCTTT AAGTTAGGT TTTGTCCAAG AGTTAGCTTA TCTGCCCTTT GTGCTAGCAG
55441 GGCTGTTGCT GCCAAGGCTC TTAAGCATGG AGGCCAACCC TTAGAAACTC CATCTAGTTG
55501 TTTGGAGGCC CAGCCTCGGC CAGGGCCCCA CAGTCTGGGT CAAAACCTCA ACCGCCATT
55561 TTTCTTTTC TGACACATAG AGTGTAAAGG GTTGTTCAG GTCAGGTAGC CCCAGGGCTG
55621 GGGCGACAT GAGTTTTCT TTTAACATC GAAAAACTCA TTGCTGTTGG TTGTAATAGA
55681 TGTAGTTAT CCAATCTACA TTTTATTAA CTGTCACCCA CCAAAATATT GACTCAAATC
55741 CTGCAGCTAT TTGATTTGG GATTTAAATT GATCTGCTAT TCCCTGTGGG ACTCCAATTG
55801 CATCTAAATA GATGTGAGAG TTGAAAGACA CATAAGGTC TTCTCTTGCT TTACGATGTC
55861 TTATTTTCC TCCCTCTGGT TGATGAAATG CTAGGGTGAAGGGATAGCC AATTGGACTA
55921 AAGTACAAGT GCGCCTCCAG TTATTTGGCA GAGTGCCAG TAAAGTCCA CCACAATACC
55981 ACCACACATC CGCTTGGGG A TGAACAAAGG CTGACTGATT GAGAAGCTCC TGAAAATTCT
56041 TAAGCTCACT GCATCCCTTC AGGTCTCCAA GGAATGCTAA GTTCCCTCCC TGTCATGAGA
56101 GACAAGAAGT GAACTTAGTT TTGGGAGATG GAAGCTGGAT GGCCTCAGG GTTGACCTG
56161 CAGGGTGCTG GACTTTGGGA TATAGCAGAG AGAGCTTGGC ACGACTTATT ACTCCAGGCT
56221 GTAGAATCCT GGAAAACAGT TACCATGCAG CCCATGCCCTG GTCAACAGGA GGACCACCTT
56281 AGTGGAAAGG GGATAATCTG GCCCTCTGGC CTGCCATGTG CACAAGCATA ACAATTGGTT
56341 TTGTTTAATG TGTGGACAGA ATATTTGATC CATTCCAATC GGGCATTGTC ATCTTGGTAT
56401 CCTGCTTAAT TATCAAAGTT TGTTTAAGT CTTAACCTTC TATGACCCCTC TAGTAAAATG
56461 AATGTATGAT TTTAGGAAAT TACAAAAAACC GGTGGGGCA GTCCATCCTT GCTCTTAGT
56521 GGTCCACACA ACATTCGACC AACTATGGCA TAAAAGCTCT ACATGGGGGG GCAAGACTCC
56581 TCGTTGACAC TGGGGTCTTT ATTGAAATCT CTCTGGAATA AATGGTCTCA GTTTACTAAG
56641 GCTCAGTCTG AGGAGAGTCA GGAGGGACAG AGGTACTTTT CTGAAGTACA GAGATGTCTT
56701 CGACTTGGCA AGTCCCCACA GGGTATAACA AGGCAAGCAT TAAATTCAAT AGTTTGAGGC
56761 AAAATTGACT TGGTTATGTT AATAACTAGA TGTCAGAAA TAGAGTGAGG GAAGAAGAAA
56821 GAGTAATAGA ATAGATGAAG GAGTTAAATT TTCTTAGCT TTAGTTGGT AGGGTTTTCC
56881 CCTGGGACTA TGGCCCATGA CTCTGGAGGG GGTGGCACTT TCTTGACTCG GGTGTGATGA
56941 GTCCATCCCT TTTCACCGT ATGAACAACA GTCTCGGTGG TTAGCAGCAC AAGGTAGGGT
57001 CCTTCCTAGG CTGGCTCAAG TTTCCCTTCT TTCCACCCCT TGATGAGAAC ATGATCTTC
57061 GGCTGGTGC GTTTACAGA AAATTCTAGG GGTGGTACAT GTGCTAAAAG ACTTTTAGTT
57121 TTGAGGGAAA GGAAAAGTGA AGATAAACCA AGTATATAAC TTTAAGAAG TTGACCTTTT
57181 GTTTTAAATG TGGGGACATC AGCAGTGGAC TTTATAGTC TTGGTGCCTT CTTACTGAGA
57241 AATTCCTTT AGCACCTATT TTTATTAGTT TTTAGACCAA AGAAAGTCAA ATGCCATTTT
57301 ATATTTGACA ACCCTTCTTG TATGTTATA CCAGATAAGC TAGATTCAC CTTTATATTG
57361 GTGTGTTATT AATGTTAACC TTAGTTAA TAAAACCTCTG TAGACATATT TATTTGATTT
57421 TTAATGTCTG ACCATAAGGT AAGATTTTA TAGACTTTTC TTTAACCTTT TATAATTTTT
57481 GTTAAAGAAC AGGTTAGTGC TTAAAGAAAA ACCCGTTGTG TTTTATTTT AATGTTCACT
57541 TCACAGAAAA ACTGTATGAT ACCCCTAAC TTTAGCCAAT ATGTTAGAC ACAGAATT
57601 CTTTACAATT AAGGTTCAA AACTTGCTTA AACCTTCAA ACAATTTTTG TAACCTTTA
57661 ATGTAGGTAA AAATCCACAT TCTTATGCAT CCTCATAATC CTTTACCAA AGGTATATT
57721 TACTTCCTT ACATACCTTG CACATAAACT GTTATTCAA TAGTTTACA TTTAGAAGGA
57781 GGCCTAAATTA CTTTAAATT ATACAAACATT TCTTACATAA ATTTATTTTT CTAACACACA
57841 TTTTTTCAT GACTTTCACA GACAATTCTT CGACATGCCT CAACTTCTG ACTTATTGCA
57901 AACATCCCTT TCTTTAAACA ACTAGTTAAT TTATCTCAGG ACAAGGATT TCCATACAAAC
57961 ATTCTTTTTT ATATAAATTG TGCTCCTCT TTATTTCTT TTTTTTTTTT CCGAGGATGA
58021 TAACCATTCT TTTCCAAAGC GAACTTCTTT TATGTCGTG GACTAGACTG TCTAAGGCCA
58081 CAAGATTAGA AGTTACTATA ATACATGTTA CACTGTTAAC TTTAGCAAA CTTTACTTTT
58141 GTTGAACACC TTGTAAGTTT GGGATTCAA TTATCCTTG CTATTAATAA GACCTTATT

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58201 AGTCCAAATT AACTTAGAAT TGGTATAGAT GGCTTTTTT TTTTTTTAAT TACCTGGGAG
 58261 GAACCATCTA TCCTCCTGTC CTGAAGGGAG TTCCTCCTAG GTCTGGTCAG AGCTTTGTAT
 58321 GGTAAATTAAG ATTAGATCC CCTGTTAGGA AACCTGCCGG GTTAAGAGAA TTTTCAGTGG
 58381 TTAATGTAA ATCATCTTCT TTTTCTTTT TTCTTAGGA TACTTCTGAA CCGGTGAGGT
 58441 GTGCTCACAA TGAGGTTCC TGTAAAAGTT ATTTTTTAC TTTCTCTGT TAGCAAAGCA
 58501 GTTGCCGCTA CAGATTGAAT GCATTTGGC CATCCGCCGG TTACTGGGTT AAGGATTTT
 58561 GATAGGAAGG CCTTAATGCT TTTGGAATAT GCCCTGACAA CAAAGTGCCTA GTTCCTTCCC
 58621 GGTGTTTCAGC CACTCGTTG ATCCTCCACG AGGGCCTGCC ACAGTGCTGCT CTGGTGAGGC
 58681 GTTCCACCGG GGCAATTGCC TACCTGGGAG CGCTCTCCAG ATCTGTGTCG CTCAAACCTGG
 58741 CTGGAGTTC CCGTAGGGAT GCTCCACAGG GCAGGCCAA GTGCCTAAG GGGCTGCCTT
 58801 GACCGTCGT TAATCACCTC TGTCTCCAAA AACCAAGCTCC CTGAGTGAGC AATTCTGTG
 58861 CCTTTTAAGG GCTTACAAC TCAAGGGGGT CTGCATGAGA GGGTCGTGAT TGATTGAGCA
 58921 AGCAGCGGGT ACGTGACTGG GGCTGCATGC ATCAGTAATC AGAACAGAAC AGAACAGCAC
 58981 AGGGATTTC ACAATGCTTT TCCATACAAT GTCTGGAATC TATAGATAAC ATAACCTGTT
 59041 AGGTCAAAGG TCGATCTTA ACCAGACCCA GGGTGCCTG CCGGGCTGTT TGCCCTGTGGA
 59101 TTTCATTCTC CCCTTTTAAT TTTTACTTTT TCTTTCTTTG GAGGCAGAAA TTGGGCATAA
 59161 GACAATATGA GGGGTGGTCT CCTCCCTTAA TTTAAACAAA ATTTTCAAAG TCCTACCCCCA
 59221 AGTAAATGG CAAATATTAA TAAAGTTATG GCATAGAAAA TAAAATGAT TGTAAAAGGC
 59281 GTAAAGATAT TTCTGTGGGG AAAACATTG TTCATTAGTT ATCAGTTAAA ATTCTGTGAA
 59341 AAATAACCAC TAGAGACCCCT AAAGTACCCA GGGGCTAATA ATAAGAACAGG AGGAACACCC
 59401 TCTCACTCCC CACCGTTACC TGCCCAGAAG GGAAGAGGAA GAGGGTGACT CCAGGAGAGC
 59461 TGTGGTCTCC CCTCCCCATA TGTCCACATA TACCTGACCT CCCCTCCCCA AAATATATAC
 59521 CCAATATCTC TCCCATATAT ACATATTAT CTGACCTCTC CACATATGTA TACCTAAACT
 59581 TTCTCTATAT ATCCACATAT ACCTAACCCCT CTCACACACA TATAGCTGAC CTCCAGTGGA
 59641 GGAAAATGGG GAAGAGAGAA GAAGTTATCA AAGGATAAT CTAGTCATA CTCAGAAATG
 59701 TGAAAAACAA AAACCACACA CAGAAAAAAA AAACACACAC AAAAAAGAAA TTGATAAATT
 59761 TGTTTGTGTC AAAATTAAGA ATTCCGGTTC AATGAAGGAT CCCATGGATA AAGTTAACAG
 59821 ACTGCTGTAA GGATGGTAGA GAATTAAATG TCTGAATCAG ACGAAAGGAT GAGTAATTAG
 59881 AATGCACAAAG GCCAAGAAGA ACAAAACAGA AACTCCACAT AAAAAATGTA TGAGGCCGG
 59941 CGCGGTGGCT CATGCCAGTA ATCCCAGCGC TTTGGGAGGC CAGGGCGGGC CGATCAGGAG
 60001 TTTGAGACCA GGCTGGCCAA CATTGTAAA CCCCATCTCT ACAAAAATA CAAAAAATTA
 60061 GCCGGGCGTG GTGGTGGGTG CCTATAATCC CAGCTACTTG GGAGGCTGAG GCAGGAGAAAT
 60121 CACTTAAACT CAGGAGGCAG AGGTTGCAGT GAGCTGAGAT CACACCATTG CACTCCAGCC
 60181 TGGGTGACAG TGTGAGACTC TGTCTCAAAA AAAAAAAAAA TTATATATAT ATATATATAT
 60241 ATATATATAT ATATATATAT ATATGAAATA AATGAACAAG AAATTTAGAT ACAGGAAAT
 60301 CCAAAGCACT TGGTAATGAA AGAAAGTAA AGTGATGTGT CCTTTTGCAT TTAAAAGAGA
 60361 GCATTAACAA ATTAGAGAGC TGAATAATGC TCAGTATTGG TGTGGATATG GAGACTCAGG
 60421 AATCCTCATA CACTGCTGAT GGGAGTCCC ACTCCCTGGG AATATTTCC AAATATCATE
 60481 TCAAACATAT CCCATAAAAGG TGACAGAAA GTGTGGCTG ACTGATATCC TTCACTGAGA
 60541 GAGGTGGAGG TAAAATGAAG TCACTGCACA ATATAGAGT GGAAGCAATG GATTAGATGT
 60601 CCACATAGTT ACGTGGAAAGA ATCCGTAAGA TACACACACA CACACACACA CACACACACC
 60661 TTTGTGTATA TTGTTCTGG CAGGTAGGCA TGGAGGTTA GAGGCTTCT ACATCACACC
 60721 TACTGCACAC AGTAAATGGC CAGGCTGAGC ACTGACTTCC ATGAAGGGAG ATTGAAGGTA
 60781 AGAGATTGAA GATTTGTCCTC TGGTCTGGGA CCTGCAACT GAATATGCAG AAAAAAGTAC
 60841 ACCCCGCCAC CCCGCTTCCC ATCTTTCTA CCTGATTAGA ATAGCTTTT CAGAAAACGT
 60901 TGGCCAGGGG TTGTGGCTCA CACCTGTAAT CCCAGCACTT TGGGAGGCTG AGGCGGGCAG
 60961 ATCATCTGAG GTCAGAAGTT CCAGACCAGC CTGGCCAACA TGGCGAAACC CCATCTCTAC
 61021 TAAAATATA AAAAATTAGC AGGGCATGGT GGACACACCC TGTCTGCCA GCTACTCGGG
 61081 AGCCTGAGGC AGGAGACTCA CTTGAAGCAGC AGTGATGGAG GTTGAAGTTA GCTGAGATCT
 61141 TGCCACTGCA CTCCAGCCTG GGCAACAGAG TGACACTTTG TCTCAACAAAC AACAAACAAA
 61201 CCCACCAAA CTTAAATCT ACCTATGGCC AAATGCCTGC TAAAATGAGC ACCCAAGAAC
 61261 CAGTGTTCAG GAAAGTCAGA TGAATACCCCT AAAATTAGAT GCAATGTTGG CTGGTCACAG
 61321 TGGCTCAGGC CCTGTAATCC CAATCCTTCT TGGGAGGCCG AGGCGACAGA TCGCTTAAGC
 61381 TCAGGAGATC GAGACCAGTC TGGACAACAT GGTGAGACCG TGTCTCTACA AAAACGTACA

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61441 AAAATGAGCT GGGAGTGGTG GCGCGCACCT GTAGTCCCAG CTACTCAGGA AGCTGAGGTG
 61501 GGAGGATCTC TTGAACCCAG AAGGCGAGA CTGCAGTGAG CAGAGATCAT GCCACTACAC
 61561 CCCAGCCTGG ATGATAGAGC CAGACCCCCA TCTCCAGAAA AAAAAAATAA AGAGAGAGAG
 61621 AGATGCAATA TTTAGGGTTC AACAAAGACTG AATTTCCTGAC TCCTTCCCT ACCTCTCCAG
 61681 CATGTTAGAT TCTGGGTCTC TCATCCTAAC CCCCTGTTCA TGCCATAGCC ACCCTGTGGT
 61741 ACCAACTTTG GAAGCCTGGA TCTTCATCCC CTCATGATAA TGAGTGTCCC ATCAGGTCTC
 61801 CATGCTCAGC TTGGCAAGAG TATCTGTCTT CTCCTCATGG GACGGTCACA TTCACCCAGC
 61861 ACTGACAGGT TCCATTCCA CTAGGGTGGC ACCCTATATG GTCTGAGTCC AGGCCTTCCT
 61921 GGTCCCTCAG TAATCTCAGC ATGGTAGCAC AATCGAAAAG GGCTAGGCAC GGCAGCACCA
 61981 TTTCCCACCA AGAGGTCTGA TGGCTCATCA CATAGACTGA AGGAGATTCT GAAGAGCAGA
 62041 GGTGGAATGA AGAATGAATC GTGGGCTCTG CTCTTCCTAG GCCTGTCTTC CTCTCTCCCC
 62101 AGATGTTAGC TAACTCATGA GAGCCAGAAA CCAACTGCAG GCTGGCCTCA GGCACATTAGG
 62161 TAGTGCTCA GCCTCAGCAG TCCACATTCT AGGAACCCCTC ATAATATGGG TTGAAGTATG
 62221 CATTCCCACA AAAATAAAAGT TGTTGAAGTC CTAACCACCA GTACTGAAAT GGGAAAAGTT
 62281 CCCTTGCTCC GCTCGCATGG CATGTGATAG GAGTGTGGCT AATTTCCTCA GTGCCTGGCT
 62341 GCTCAAACCT CTAGGGGAAC ATTAAGACGG GCAGGTTGTG GGTCTCCAAC CCCATGACCC
 62401 CACCACAGTG TCTAGGGTTG AATGTTACA GCTCCTGAAG CCACAGTGGG TGTGTGTTAC
 62461 AGGGTGCCT TTTAGTTTG CCATTATAG GCAGCTGGTG TTAACCAAAC CAATTAGACC
 62521 GTCTACCTTG TCCCAAGGAC AGAAGAAGGC TTTCTGTATC CCAGGTTCTT GCCTTGGTGT
 62581 ACCGGAATAA ATCAGACCAC ACCTGGGCTT AGAGAAAGAG TGCAAGGTTT TATTAAGTGG
 62641 AGGTAGCTCT CAGCAGTTGG GCAAAGCCAA AAGTGGATGG AGTGGGAAAG TTTTCCCTTG
 62701 GAGTCAGCCA CTCAGTGGCC CAGGCTCTCC TCCAACCACCC CAAGTCAAAT TCCGCCTCAT
 62761 TTTGCCAGGC AAACGTTTGT TGTGTGCTCT TCTGCCAGTG TGCTCCCTG GACGTCCAGC
 62821 TATTCGTGTCA TTGTGGCAGG CCAGGGGAGG TCTTGGAAA TGCAACATTG GGGCAGGAAA
 62881 ACAAAAATGC CTGTCCTCAC CGTGGTCCCT GGGCACAGGC CTGGGGGTGG AGCCCTAGCC
 62941 GGGGACCAACG CCCCTCCCTT CCCCACTTCC ATATCATTAA AAGGGACCAT GCCCTTCCCT
 63001 TCCCAGCACT TTCCCCCTCC TGTATCAGGA CCTGTGAATG TGGCCTTATT TGGAAATAGG
 63061 GTCTTGACAC TTCACTCAGTT AAGATAAGAG TGGGCTCTAA CCCAACATAA AGGGTGTCTC
 63121 TATAAAAGG AGAAATGTCA TACACAGAGA CTGACACCTA TAGAGAGAAA ATGTGGTGAG
 63181 TAGACACAGG GAGAACATCACC ATTCAAGTCA AGCAATGAGT CTGGGGATAC CAGAAGCTGG
 63241 GAGAGAAACC TGGAACAGAT TATCCCTCAT TGCCCTTCAGA AGGAATCAAA CCTGATGATA
 63301 CTTTGATTT AGACTTCCAG CTTCCAGGAC TGTGTGACGA TAAATATCTG TTGTTAAGGCC
 63361 AACGAGTTG AGGTACTTTG TTACTGCAGC CCCAGAAAAC TAATACAGTA GGTACTATGG
 63421 ACTGAATTGA CTCCCCGTGCA CAAAATTCTAT ATGTTGAAAC CCTAACCCCCC AGTGTGATGG
 63481 TACTTGGAGC TGGGGCGTTT GGGAAAGTCAT TATATTTAGA CAAACTCATC AGGATGTGTC
 63541 TCTCATGATG AAATTCTATGC CCTTATTAAA AGAGACAAAC GGCAGGTGC AGTGGCTCAT
 63601 GCCTGTAATC CCAGCACTTT GGGAGGCTGA GGTGGATGGA TCACCTGAGG TTGGGAGTTT
 63661 GAGACCAGCC TGGCCAACAT GGTAAAACCC CATGTCTACT AAAAATACAA AAATTGGCCA
 63721 GGTGTGGTGG TGCACGCTTG TACTCCAGC TACCTGGGAG GCTGAGGCAG GAGAATCCCT
 63781 TGAAAACCAGG AGGTGGAAGT TGCAGTGAGA TCACACCACT GTACTCTAGC CTGGGTGATA
 63841 GAGACTCCAT CTCAAAAAAA AAAAAAAAAA AGACAATAGA GCCAGGTGCT GCAGCTGATG
 63901 CCTGTAATTC CAACACTATG AGAGGCTGAA GCAGGAGGCT CGCTTTAGCC CAGGAGTTCA
 63961 AGACCAGCTT GGACAAAATA GTGAGACCCC CAACTTCTAA AAATTAAAAA AATGAACCTGG
 64021 GTGTGGTGGT ACACATCTGA GGCTCCAGCT ACTCTGGAGG CTGAGGTGGG AGGATTGCTT
 64081 GAGCCCAGGA GGAGGCTGCA GTGAGCCATT GCTGTCCAGC CTGGGCTACA CGAGAACCTG
 64141 TCTCGGGAAA AGGAGAAAAC AGTGAGACCT CTTTTCTCT CCTCCTTCTC TCCACTGCCT
 64201 AAGCCCTACA AGCACAAAAA GGACACCACCA TGAGCACATA GTGAGAATGC TGCTGCCACC
 64261 ACAAGTCAG GAAGAGAGCG TTCACCTAGA AACTGAATTG GCCAGCACCT GGATCTGGG
 64321 CTTCTGAGCT TCCAGAACTG TGAGAAAGTT ATTTTTTTTT TAGCGACTAA GTCTATAGTA
 64381 TTTTATTACA GCAGCTCAAG GTAACTAACA TAGTGAAGG GATGAATTAT GGAGATCACA
 64441 AGTCCACGCC TCCAGAAAAA GACTTCCTA AAAATTAGTC TGAGCAAAAT TCGAATGATG
 64501 AATTATTTT AAGAACTTTT AAGGGATCTG ACAAGTTGC AAGAGCTAGA GAATGCTTTA
 64561 CAACGTGATA ATAGAATGCT CTGTGATGAC AGAAATCTT CCACACTGTT CAAAACTAGC
 64621 TACTGGCCAC TTGTGACTAT TGTGCACTTG AAATGTGACT GGTGTCTGAG GAGCAGAATG

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64681 TTTAATTAA CTTAATTAA ATTCAATTACA ATAGCTACAT GTAGCTAGGG GCTACTGGAT
64741 TGAACAGCAC AGCTCGAGTC TTTTAGAGGG AGACAGGACT CACCAAGATG GATGCTGGTG
64801 GCCAACGCAGC AATGGCAGGT AGTACACACA CAAGAGGCAG ATGATACAA ACATCCTTCC
64861 CAAACCTGGA GATAAGCTCA CCCCACAATC CCGCCGCTGA AATAGAGTTG ATGTTACCAA
64921 TGTGCATTTT TATGTCCTT TCCATACAGA AAGATCATT AGCAAGTACT ATGGTACTTA
64981 AAAAACAAACA TTCAATTCA TATTATGACA AAATTAAATT AATAGCTCTT CCTTAAACTT
65041 TTAAATTCAA TTTACAATGC TTACTATTGG CATTATTAA TCTACCAATT TTTTCCCATA
65101 GAACCCATAG AACAAATAAT CTACCAATT TTTAACATTC ATTTTGGCA AGGCTTTG
65161 AATTGACGA ACTTTAAGAA GAAAACCTAT AAATTGCAAT TTTAAATCT GACATACTGG
65221 ACTTTAAAG TATCCAATTG ACTAATGAA AAAACGTCT CAAATTTC AATTCTTAA
65281 AATCTTAAGA CAATACTTAA TATGGCAAAT CTTAACATTCT TAAACTTGT AAGAATGCTA
65341 ATCAACTTAG ATTGGTATAA AGTTGAGTT AAAATCACAG GATACATCAT CTCAGCTATA
65401 AGTTTCATG AGTTGAGTT TTACAATCAC TTGAAATGCT TAGAATAGGA AATACGTATA
65461 AATTATTTAA CATAAAATAT TGTTACAAAA CCTCTGGAGT GTCAGTTCT CTGGCCAGAC
65521 TTTATGCTGC AGCACCTTG CCTGAGTTCT TGTCTGCAT CCAGGAAGAA TTAGGTACAG
65581 AGGCAAGAGT CAAGAAGATT AGTTTCCAA TAGTTCAGCT CACCTAGTTA ACTCCTGTC
65641 ACAATCTCA AAGTTATCAG AAACCTGCAA TTGAGGGTTA TAATCCATT TTTGCAGAGT
65701 TTCAAAACAA GACAACATT GTCTATGAAT GTTAAATGT CCTAGGGTAG TCACAGTCAA
65761 AAACACAATT GACAAAGAAA TTTAGTCACC TCTGTGATT ACAATAGCCT AACACAATAA
65821 CTCTAATTAT AACTGATGAC ACAAACTCAG ATATCAGAAC TCTAGAAATC CCCTATAATT
65881 TTGGAACACA CATTACAGT TTTCACTGAA ATATGACCTG AAGATCAAAT ATCACCTTAT
65941 TTCAACAAATC CTATATAACT AAACGTGTCA AATGATCCTG TTTACCTCTC CTTTGGATAC
66001 TCCAGGGGCC CTCTGTAGCA TCCAAAAGTT AGGGGTTAGC AAAGACAATT TTGAAGCTGT
66061 AAAGGCTCAA AACACTTAAT GAACCTCTAG TCATATCTGT TCTCTACTCA CTAAATGCTA
66121 GTAGCACCTC TCAGTTGTGG CTAAGCTGGG AGGATCTCT GAGCCTAGAA GTTGGGGAC
66181 GCAGTGAGCT ATGATTATGC CACTGCACTC CAGCCTGGGC ACAATGCAA AATCCTGTC
66241 CAAAAACAAA AACAAAAAAC AAATTGCTA TGCTGTGGTT ATCTCACAAT TAATAAAAAG
66301 GAAAAAAA GTATGCAGTC TTTGTAGGTC CTTGGGGTTT GTTGGAACTC AGAAAACAAT
66361 ACCCCAAAAT AAAGACCGCA GAAGCCAAAG TTTTCTCTG ATCTTCTCCT GCCCTCCTGT
66421 CTCTGAGTCC CATTCTCCCC GGAGTCTAGC CATAGAAATG AGAATCCTC TTCCTCAAGT
66481 TAGGTCTAG AAATCAAAC ACCTTTCCC CAGAGCCAG CCATAAAACC TAAAAATATT
66541 ACTCTAACTT TCCCTCTGTT TTTCTGTGTA AAAACTGGCC ATAAAGAAAT TATCTGAAC
66601 ACCTTATTG ATCATAGATC ACCAGACCGC ATTCCAGAGA GGATCCAGAA GGAAGGAATG
66661 CTGCACAGAG AGGCGAAGAA GAATCTAGAC AGACAGGCCT TGCTGGGTTT CCCTACTCTG
66721 TTTATTAGCA ATCCTATTTC TACACGGCGG CCCATACTTT GTGAATCTA AAAATAAAA
66781 ATGGACAAATT TCCCCTGTAC ATGTTAATAC ACATTAATAA ATTGGATATA AATTGGATAA
66841 TTTATTAATA TACACATTAA TAAATTGGAT GCAGCCGGGT GCAATGGCTC ACGCTGTAA
66901 TCCCAGCACT TTGGGAGCTG AGGCAGGGCAG ACCACGAGGT CAAGACCACC CTAGCCGAAA
66961 TGGTAAACC CCGTCTCTAT TAAAAATACA AAAGTTAGCT GGGCGTGGTG GCACATGCT
67021 GTAGTCCCAG CTACTGGGG A GGCTGAGGA GGAGAATTGC TTGAACTCGG GAGGCGGAGG
67081 TTGCAGTGAG CCGAGATTGC GCCACTGCAC TCCAGCCTGG TGACAGAGTG AGACTCCGTC
67141 TAAAAATAAT ATAATAATA ATAATAATAA TAATAATAAT AATAAATTGG ATGCATTTA
67201 TCCTATTAAAT CTTCTCTTC TCGGTGGTT TCAGCGACTC TTCAGAGGCC AAAGAGTAAG
67261 TTTTCCCTTA GCCCCTACAG GTTCTTATGT TTAATTGTT ACTCTCATTT AAGACATAAT
67321 TAAAGTGGCT TCTCCATGAA GATTATTCT GCATCCATTA TTTGGTAAGA TTGGCCGTTT
67381 TCTCTTTGA TCTCTACTTC ACACTGACCC ACATAAAACA TCACTGCCTG TTTTTTTGTT
67441 GTTGTGTTT GGAGACGGAG TCTTGCTCTG TTGCCAGGC TGGAGTGCAG TGGTGTGATC
67501 TCCGCTCACT GCAAGCTCCG CCTCCCGGAT TCACGCCATT CTCCTGCCTC AGCCTCCTGA
67561 GCAGCTGGGA CTACAGGCAC CCACCAACAA GCCCGGCTAA TTTTTGTATT TTTAGTAGAT
67621 ACGGGGTTTC ACTTTGTTAA CCAGGATGGT CTCGATCTCC TGACCTCGTG ATCGGCCCGC
67681 CTCAGCCTCC CAAAGTGCTG GGATTACAGG AGTGAGGCC TGCGCCCGGC CCCGTTTTT
67741 TTTTGGTTT TTGCATGTCT TCTCCCTTT ACTGTAAACT ATTTCCACTA CCAGCGTAGT
67801 TATCATTCT ACTGCTTAAT AATTGTTTG GGGAAAGTGA TGCACTAAC CACATGAATT
67861 TCTTGTCTAT TTGACAATT ATTCTCTTA GGAATAGTAT TAACTCCTAA GGTCCGGGA

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67921 GCCAGTCTCT GTACTTGGCT GCTCCAGGGT CCTACTTCAG TTTCCCAGCT TCTCAGTACT
 67981 GTCACTGTCA ATTGTGGGTA ATAATTATTT TTGTCCACCA AAAGACTCTG TATGTGAATG
 68041 AGTTTGAAA TCTGCTGAGT AATACAGTGT CAACCCAGTT AATGATTGC CGGGCGGCTT
 68101 GATCAGGGGC TGTCACAATA CCGGCATTT GATTGGGAGC GTCATCTAGT GTCTGAAAGC
 68161 ACAAACAAACA TCCTACATTG TAAATGCCCT TGGCTACAGA GATTGAAACC AAAGCAAACC
 68221 TATGTTTGAT ATTGTTTATT TTCAGCAGTT CTGCTAGCTT TGAAAATCT AAAAGTTAA
 68281 AAAAAGCTTT ATATTCATT TTCTGCTAA ACTCTTTAAA ATTGCTAGTT GACAATTAGA
 68341 TATTTTCAAT TTAATGAAAT TTTTTTTAG TTCACAGATT AATACACAAT GGGGGAGGGT
 68401 TCTTATTCTG TTGGACTTT ACATAACCTC CACTTTAGTG CAGTCTGCTT TATGGGTCT
 68461 TGTTTGAGGT GTGTGTGTGT TAAAGGAAAT GTGGTTTACA ATCAAAATAT TGGGTTGCTC
 68521 TTAGGCACAT TGTAAGTCA CACACCTGTA TTCTTATTGA TACATAATGA TTAATAACAT
 68581 TATTATTACA GCCTGATCAC CATCATTATT GATATATCTA AATAATGAAT TTTATAATT
 68641 TGCTTCCGT CAGGCAAGAG CCAATTTCAG TGCTACCAGT TTTGTATAGC AGTATTATG
 68701 TCTGTCTC TCAGTCATT TACTTCACTT GTCTTAGCC AAACGCCGA GAAGCGATGG
 68761 TCATTTTACT TCAAAATGA AAAGAATTAA TATTTTTACG TTTCCCTTAA AGACCCTATG
 68821 TTTAACCTCC ACTCCTGGGT AAAATGGTCT AGTCCCTCCT TTTCATATCA TCTCTGATAT
 68881 CTTTTGCACA GCCACTATT CCTACCGTT TCTAGATCCC TATTCTCAA ACACCACCAT
 68941 GAAGGTAGAG CCTGCTGAA TTATTTCTT GTCCCTGAA CTCAGTACAT TGTTAGGCTT
 69001 CTTGAAGATG TTGATCAGTT GTTGTGGAG TGAATGAATC AGCTAGCATG ATTTTTCTAG
 69061 ACCACTGAGA CAAGTGTCTA AGACACTTGT TCCTTCCCAT GTTCTTGCT GCCTGTGCAA
 69121 TCCATGCAGT CTCATGGCTT CCCAGTGCCT CAGAATTATC CCCTGTCAA CAGGCATTAT
 69181 AATTCTGTC CACTGAAAAG GACAAAAAAC TAAGTGTATA GCTAGAAGTT AAAAATTACC
 69241 GGCCAGGTAC TGTGGCTCAC TCCTGTATT CCAACATTAA GGGAGGCTGA GGCAGGGCAGA
 69301 TCACCTGAGG TCAGGAATTG GATACCAGGC TGCTAACAT GGCAGCCCCG TCTCTATCAA
 69361 AAATGTAAAA GTTAGCCAGG TGTGGTGGCT CGCACCTGTC GCCCCAGCTA CTCAGGAGGC
 69421 TGAGGCAGGA GGATCGTTG AGCCCTGGAG GTTGAGGCTG CAGAAAAATA GGAATATACT
 69481 CTCTTCAAG AGTCGTGGT TTTGACTGCC ACCTAGCGTA CATCAGAAAA ACCGCATGAC
 69541 ATAGGAAATG CCTGTGACAG AGGGGTAAGG TGAGAGAGGT TGATGAAGAA TGTATTGAAG
 69601 GAGTGAAAAC GCTCCATCC CTCTACTTAC TAAATATATT AGTTAAGTAG TTGGGGCATA
 69661 TTTTAATTCA TGCATTTTGT AGATAGAAAA ACAAAAGTTT TATTCTGTT GATTTAGTTG
 69721 ATACTTAAT ATGTGTGTGT TTAGGATGCA TGATTTATAA TCAGTCTGCA GCACTTCTTG
 69781 GAGAAGTCTG AATTCTCATT CTCCATTTC TTATTGGCAA CGTGAGAATG ATTACAATGG
 69841 TGGTTGTCTC ATAGAATGCA GGGAGTCAGA ATGAAAATAG TCCATATAAT GCCTGGTGCA
 69901 GAGGAAGGGT TCAGTTAACT GTCTGTATTA ATATTACTGA TAACAGTCAT GACAAACAAA
 69961 AGCTTAACAA CAACACCACC AACAAACAGTT GCAGAATTGA GCCACCAATT TGCACACAAG
 70021 ATTGTAGGTA GGATGTTTTA GAAAAGTTAT TATTTAATAT ATGTATATAT TTTTGTACTT
 70081 AAAATATGTC AGAGGTTGTT CTAAGAACTA TTTAAATGTT AACTCCCTAA TCCTCATAAT
 70141 GACCCATGAA ACAGGTAGGC TTATTATTGT CTCTTACAT GTGAGAACAC TGAGACACGA
 70201 AAAGGTTTAT TAACTCACCC AAAGTCACAC AGCTGGTAAAC CGGGCAAAAT TGAATTGAA
 70261 CTCAGACATT CCAGGTTCCA AGACAGTCTA ATTATTCTTT TGACTAATAT ACTAAGCTGC
 70321 CTCTGTATTT TTCTTGTGATT ACTTTGTAAA AGTATGAGGA AAATATAAGT GCTTCAAGTA
 70381 ACCATGAAAA ATATAAACAA TCTATGTATC AACTGAAGCA TAATTACAAA TCCTTTGATA
 70441 AGCAAACATA ATAAAAATTG GATATCAATC AAAACTTCAGTGAATGAA GCAGGTTGAG
 70501 ATGAATTCTA TAGTAAAAAA GTGCAGAGTG CTGGAATACC ATGCTCCTAA TATATTGGCT
 70561 AGGCACACCT GCCTGCTATC AAAGGTATGC ACACACCTTG GATACAGAAA GTTGGGACTG
 70621 GGTAGTTATG TGAGTGTCTAT CAGAATTCTT TCCCACCTGG GAAAGAATTG TCCATCATAA
 70681 GCTTGGATGA TGGACAAGGA GTGAGCTCCC AGAACAGTGA TGTGGGGATA CATCCTCACA
 70741 TCACAGTGAG AATGAGTGTGTT CTAGACTGTT TACACACCTA CCACTCCTAA ATGCACACAT
 70801 ATAATTGCTT GCACACACAC ACATACACAC TCATCTCTTC TCTGGTGGTC CAGCTCTATC
 70861 TCTTATCATT AGGCTTCTTG GGGCTAGTAC CTAGGGCTG TATCCTTCA GAGGCAGCTA
 70921 AGGGAAGCAC ACATAATTAG AAAGAATGAA CCAGCTGTT GGATTGGTC TCTTCGCATC
 70981 CAGCCCTCCA AGTTAAGGAG AGTACCATCT TTCTTAGGGT CACCAAAGGA AAAAAGAAA
 71041 AAAGAAAGAA ACAGAAGGAT ATCATAACAGC AAGGATCTAA TGCAAATATG CCTCAAATGA
 71101 GAGGCTACTG TGTGCTGATC CCAATCCCAG GAACTGTATG CACATTATCT AATTAAATCC

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71161 TCACTGTATT TCTGGGAGTA TTATTCCCAT TTTACAGAGA AGGAACCTGG CAGGGTAACC
 71221 AAGCTCATGA ATGGAGAAC TGGGATAAA TATAAGCTT CCTTGCTCCA GAACTGCTGT
 71281 CTTTCTGCTC TTCCACACTA CCAGCTCAGC TGTGCTCTCT ACATGCAGGC AGTTTACAA
 71341 GTTCAGATT AGCCTGGAC TTCCAGGGTT TTGAATGGGT TAGGGAATGG GGAACCTTTG
 71401 GGTTTACTTT CCATTTTTC TTCATACATA TGTAATATAT AACATAAATC TATGGTATAT
 71461 ATGATAAATA TATGGCTACA TATGAACAT ATAATCACAT ATATGCATTA TAAATAAATA
 71521 TTAATTTAT AATATTTAA AGGTTATCAA ATAATATTA ATATAAATAA TAAATAAATT
 71581 AATACTCAGC TTTGTTTCC AAAGTGATAA ATGCCTATAT TTAGCAAAAT ATTTTTGGA
 71641 GGCCTGATAG TTTTAGGAG TGAAAGAAG TCCTGATATC TAAATGTTA AGAACCACTA
 71701 TTTTAGGCTG TTGCTCTCTG TCTTATTTTC CCAGCTAGAC TGTAATAC TTGAAGGCAA
 71761 ACGTTTAGCC AGCACATTAA CATTATGT TTTTATTCTT TTGCTGCTCT AGTGGCTGTG
 71821 TCTTTCTAT CGATTCTCA CACTGTATGA TGTTATATT TGTCTGTATC TGTCCCACCA
 71881 GGTATAAGTT CTTGAGAGGA CACACTGCTA GGCTGATCT AGTTTTATT ATTTCTCCTG
 71941 GTGTCCTGTG CTTAACAAAGT GCTCATTAAAG TGTTAAAAAA CACAGCACAG TAAAAAACTA
 72001 GACATTAAAA AATAATGTCA ACCAATCTAT TGAAATTGTC ATTTCCATGT TTCTCCAAT
 72061 ATAGTCATTG TGTCAAGGTT TGTTATTCTT CTGATGAAGA CTATTGCTA ATATACGTTT
 72121 GCATCTTGTG CTTTATAACT GCCTTCATAT AGACACAGAT TGAGAAGGTG TAAAAATGTG
 72181 CATATCCTCA CAATTGACAA ATTCTTATCC TTTGAGGGTA GGTTGACTT TCTGAAATGC
 72241 TTTGACATCA TTTGAAAGAA GCTTGAAGAA TAAGATAGCT GTTAATGACC CAGTTCCCTA
 72301 TGTCACTTAT ACAATTATAA TGGCAATTTC AAAATGTTAG GTAAATATAT TTTGCAATAT
 72361 ATTGTTCCCTT TTGTAATACT CTCTATGTAT TTATTTATAT TTTTAAATTT TATATTTATG
 72421 TATTTATTTT TCTGGACAGA GTCTGCTCT GTTGCCCAGG TTAGAGTGAA GTGTTGTGAT
 72481 CATAGCTCTC TGCAACTTCA AACTGCTTGG CAAAAGTGT CTCCTGCCT CAGCCTCATG
 72541 AGTAGAGTAG CGGGAACTAC AGGCGCATGC CACTGCACCC AGCTAATCAC TATTTATTAT
 72601 GCTCCTACTG TGTGCTTTAG TATATTCTT GTGTTTTCT GCAACCCATT TTGAGGGCGT
 72661 GTTAGGAAAT ACAGATGCAG TAACTTCTG CTCAGCCCTT GAGGTGAGGA AATATTTAGC
 72721 CTCAGGTTA ATCTAATTGT TGGCCATTG CCTTCAAAGA TTGAAATATG AGCAAAACTG
 72781 TGGCTCTGGG TTATATGTTA AAAAAAAGTT TATGGGGCTG AAGCCAGGCA ACAGACAAGA
 72841 GCCCCTACAA TCTTATTTAG GCTGAAAATA TCCTGGAGTC CCTGTATTGT TGGCTCAAG
 72901 CAGATAGCAA CACTAACACT TACTCTTGA GGCAGGCACT GCCAGTGGGG TGGCTGTTAT
 72961 TATTAGCTTC ATTAATTGGT GAGTCAGGAA AAAACAGCTT TAAATCATTC AAAGTTCTGG
 73021 CCTATACAGG ATTAGTAAT ATTAGGTTAG CTACATCCAA AAGATGACAG AACCTACTC
 73081 TAAGGCTGGG CTTGGTGGTT CACACCTATA ATCTCAAAAC TTTGGGAGGC TGAGGCAGGA
 73141 GGATCACTTG GTGCCAAGAG TTTGAGACCA GCCTGAGCAA CATAGTGAGA CCCCTGTCTC
 73201 TATCAAAAAC AAAGAAACTCT AATTGGCATA GTAGAAGGAA AAAGTGAAG AAAAACCAGC
 73261 TGTCACCCCTC ATTCTTACA CCTGTCCTAA CAACTCCTCT CACTATCCTT TGAATATATC
 73321 TTGGCTGTTT GAGTCTCTCT CTAGCCCCAT TACTGCTGTT TGGACTTGAC ATTTGCTCT
 73381 GCATTTTAA CTTTCTACC AGGGTTTCCA GACCTGAAG AGTGTGGCAT GAAACAAAAC
 73441 TAGTCACCT ATAATATTTA TGATGTGTGTT GTAAATAAAAA GAATACACAA TATATTGCTAT
 73501 TACAATATTT TAACTGTGTC CTCATTGTT TTGTTGGCTT CTTGAGGACA TCAGTTTGG
 73561 GTGGGACGAC CACATCCTA ATCTGAACCT TCCCTTGGAG GTCATCTTT TTTTTTGGAA
 73621 ATAGAGTCTC GCTCTGTAC CCAGGCTGGA GTGCAGTGGC GCAATCTCAG CTCACTGCAA
 73681 CGTCCGCCCTC CTGGGTTCAA GTGATTCTCC TGCCTCAGCC TTCCAAGTAG CTGGGATTAC
 73741 AGATGCACGC CACCATGCCG AGCTAATTT TGTATTTTA GAAGAGACGG AATTCACCA
 73801 TGTTGGTCAG GCTGGTCTTA AACTCCTGAC CTCATGATCT GCCCACCTCA GCCTCCTAAA
 73861 GTGCTGGGAT TACAGGCGTG AGCCACCCCG CCCGGCCAGA GGTCATTCTA ATAGACTTT
 73921 TTTTGTGTT TGTCACAGG CTTGTTCAAT CTTATTTCAA AATTGAGAA ATACAGTTTC
 73981 CATGGAACAC CAACCAAGATA TCAGGTTGCT ATGGAGTTGA TAGTCAAAAG CTTTGTATCT
 74041 TCCAGTTTT CAGAATGGCT TCTAAAGGTT CTGATTGAGA GCTCTTAGGC GAAATTGAAC
 74101 AACCAAGTGT CAAAGTACAA CATTCAAGGAA GTAAAAAACA TGACTGACAT ATATGTACTA
 74161 TATATAGTGA GCTTGTGTAT GTGTCATGA ATGATTTAAT TCATTAATGA AGGAGGAAGC
 74221 AGAATCACAA TTAGGTCAA GGAAGATACG GGAGAATAAA ATATGTATTT GGTCAAGGGAA
 74281 AGGATGTATA CTGGAAGAGG AAGGGAAAAT CAGATATAAA GTTGTAAAT GACTTATTAG
 74341 GCAATACAAT AATAACTTTT AGGGTCATT TTTCTATATT AAGAATTCTAT TTCCATCTCT

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74401 ATGACAAAAT CCTTATTAAT TTATTAAACT TCTACAAGTG AATGTTACT TTTAGATAGT
74461 CTGGACCCAA TAAAATGTAA ACATTAAGTC AGAGTTACTT TCACGTAGGA CAGTGTGTC
74521 CAATAAGGTA CCACTAGCTA CACGTGATCA TTGACCATT GGACTATAGC TAGACTGATT
74581 TAAAATGTTC TAAAAGGTAA AAATACACAC CAGGTTCTGA AGATTATCA TTTAAAAAAG
74641 AATGTCAACT GTCTTTTTT TTAGCTTATT TATTATATGT TGAAGTGATA ATAGTTAGA
74701 TATATTAAGT TAAATAAAAT ATCTTAAAT TAATTTACT TGTTCTTTT CATTCTTCA
74761 ATGTGACCAC TAGAAATCTG GAAAGTATTG ATGTGATTCA CATTCTATT TACTGTCTAG
74821 TATTGCCTTA CATCATCAGG TACCCCATAA GTAGGCTTT TAGATAATTC TCTAATATAG
74881 CTTGGAAGGA TATGGAGAAA TATTTTGCG TTGCTTTAA GTTTCGATA ACTTTTCAA
74941 CACACTTAT AAAGGATCTA GAAAAGGGTT GTTACATGT TTCTCTGTCT TCTGGCCTCC
75001 ACCATGTTGC CAGGAGGTTG GGGACAAGAT TCTGGGTGGC TGGATGTCCT AATGGCTTGA
75061 GGTCTGGACT TGAGATTTGC ATATAAAAGAG ATGTGATTAG ATTGAGTCGA CTAGAAAAAT
75121 CATATTAGAG AACTGAATCA CAGCGATTAA ATTTACATGT CGATTATCAA ACCAGGACAC
75181 CAATTTATAG TGAAAGAAGG TCCAGTTACC TGTTAATCAA GACGTTTCAT AGCTATTTTC
75241 ATGATGGATA TACCTAGCTG AGTTTAAAT GAGAAGGGGG TTCATTGCAC ATAGAATAAG
75301 ATCTAAGTGA AATGTTTATT TTATTTTTT TTTTTGACA TGGAGTCTTG CTCTGTTGCC
75361 CAGGCTGGAG TGCAATGAGG CAATCTCGGC TTCTGGAGTG CAATGAGGCA ATCTCGGCTT
75421 CTGGAGTGCA ACGAGGCAAT CTCGGCTCAC TGCAACCTCC ACCTCCCGGG TTCAAATGAT
75481 TCTCCTGCCT CAGTTTCCTG AGTAGCTGGG ATTAGAGTTG CCTGCCACCA CGCCAGGCTA
75541 ATTTTGAT TTTTTTTAGT AGAGATGGGG TTTCACCATG CTGGCCAGGC TGGTCTCGAA
75601 CTCTGACCT CAGGCAGATCT GCCCGCCTCA GCCTCCCAA GTGCTAGGAT TACAGGCGTG
75661 AGCCACCAAG CCTGGCCTAA GTGACATGTT CTTATATTGT TCCTTCTTT CTTTTTTTTT
75721 CGACTGAGTC TCACCCCTGTT GCACAGGCTG GAGTGCAGTG GCGTCATTTC GGCTCATTGC
75781 AACCTCTGCT TCCCGGGTTC AAGCGATTCC CTTGCCCTAG CCTCCTGAGT GCCACCACCC
75841 CCAGCTAATT TTTGTACTTT TAGTAGAGAT GGTGTTTCAC CATGTCGGCT AGGCTGATCT
75901 CAAACTCCTG GCCTCAGGTG ATCCGCCCCC GAGTCTCCCA AAGTGTAGG ATTACAGGC
75961 TGGGCCACGG GGCCCAGCCT TATATTATTT CTTTTACTAC AATATATTAG TATGATGCG
76021 GTGCTTCAAT TGTTTATACA CTTTCCATAA TTTTGATAA TTCTTATACC CTGTCACTCT
76081 GAGGAATAGC CGGTCTAAGT GTTTTCCAC CACTGCTAAT TCATCCATCA CTAATCTCAT
76141 TAGACTGTTA ATTCCCAGAG GACATAAGCA CACAAGCAGA CAATGTTAC AAATGTTGGA
76201 CAAATGTTAT TTAATAAAAC AATGGGGTCA CCCTTAGTCT AAAAGATGTT TCACTTTCA
76261 TTTGTCATTG AACTCTTATT TGTAGGTTCC CTTTGACTT TCCCACAATC TAAGGCTGTT
76321 CTCTTAACA CATATTTCA TGAAAACATA TATTTGAGCA GAAATTGTTG GGGAGTTGTA
76381 ATATTACCTT TGTCCCTAAA TATGAATCTA TAATTATATC AAATATATGG GCAGACAATT
76441 TACTTGCCT TTAATCTCAA GAAAAAAATA GCAATTACTT GGGGTCGGAG AGTAAAATAA
76501 GAAGTAGTGA ACCTTAAAGT AGCAAACCTT AGAACAGAAAG AGTTTCAGAG GGGATGAGAA
76561 GAGGTGATTT TTCAGCTCAT CAACAAACAGA TCTTATAATA AATTACATGT TCTGGTACTT
76621 TTCTTGTCTT TCTGTGTTAA ATTTTGCTAT TTAAAAAAAT AAATTCAAA TACATTGTT
76681 ATCTTAAAG TCAAGAGTGT GTTTTATTAA AGTCAGTTGC TTTATTGCA ACTCAAAGA
76741 TATATTGAG TTCCCAACTG GAGATTGTCC TATATGGTAA CTTGCGTAAG GTATGGTTAC
76801 TGAAAGTAAC CTACAATTTC CATGGGCTGA AATTCAATTTC TATATTGCG CGTACAAAAA
76861 TAAATAAAATA AAAATGCTT GTTTCTTTG AAAACATATT ATCTCAGTGC CTCTAACTGC
76921 CAAATCTATT GGCTTTTTG CAGGCTTAAG GGCTCTCCCT TGTTCTTTA TGATCTCTAT
76981 CTTGAGGGCC AGACCTCCTG CCTTACACAA CTCAGAGGG GACCTCAGAG CTCTTTAAA
77041 AGAGCCCAAT TTCTCGCCTG TAGAGAAGTG AAAAGGATGC CCCACCCCCA TCTATGAAA
77101 GAGGGATTTG ATAGTTCAA TGTCTTCAAA TCAAAGATT AAGTCTGTAG CCCCCCACC
77161 CCCCGGACCC TAGCAAGGCT CATGAACCCC CTCCCATCCC GCCCTAATTG CTTTGGACTG
77221 GCGTGGAAAT CCTGTCCCA GTCCACAGTT CCTGTGCGAC TGCACGAAGA ATTACACAGAG
77281 GACCTGTGTT ACTTCCCTG TGAAGAAACA GAATTATCAT GAAAATTAG GTGGAAACCA
77341 TTTCGCTTTT TTCTTCAAAA ATAAGGGAAG CATGTGCCA ACCACCCCTG GGAAAAAGAA
77401 CCTTCAGGGG CAAAGGAGCG AACAGGTAAT TTATAAGAAA AACAGAAAAGT GGTCTCTGAC
77461 TGCCCCAGAC TTCCCTCGGA GTTGGGGAA TTGGGGACGC CTGGACGCGT TGTTTTGTG
77521 TTTGTGGAAA AAATAAAATGA AGAGCATGAA GCCCGAGGCT TCTGAGATCC TTTCTGACC
77581 AAACCCAAGT GATTGGTGC GGGAAATTTC AATATTTTC CCCTTTGTG AGGTGGAACA

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77641 AACACAACCTT GGGAGCAGCG CAGCGGCTCA GAGCCTGCCA GCCAGGCGGG CGACCAGAGC
 77701 ACCAATCAGA GCGCGCCTGC GCTCTATATA TACAGCGGCC CTGCCCAGGC GCTGCTTCAT
 77761 CGCGCTTTG CCACTTGTAC CCGAGTTTT GATTCTAAC ATGTCCGAGA CTGCTCCTGC
 77821 CGCTCCCGCT GCGCGCCTC CTGCGGAGAA GGCCCCGTGA AAGAAGAAGG CGGCCAAAAA
 77881 GGCTGGGGGT ACGCCTCGTA AGGCCTCTGG TCCCCCGGTG TCAGAGCTCA TCACCAAGGC
 77941 TGTGGCCGCC TCTAAAGAGC GTAGCGGAGT TTCTCTGGCT GCTCTGAAAA AAGCGTTGGC
 78001 TGCCGCCGGC TATGATGTGG AGAAAAACAA CAGCGTATC AAACTTGGTC TCAAGAGCCT
 78061 GGTGAGCAAG GGCACTCTGG TGCAAACGAA AGGCACCGGT GCTTCTGGCT CCTTTAAACT
 78121 CAACAAGAAG GCAGCCTCCG GGGAAAGCAA GCCAAAGGTT AAAAAGGCAG GCGGAACCAA
 78181 ACCTAAGAAG CCAGTTGGGG CAGCCAAGAA GCCCAAGAAG CGGGCTGGCG GCGCAACTCC
 78241 GAAGAAGAGC GCTAAGAAAA CACCGAAGAA AGCGAAGAAG CGGGCCGCGG CCACTGTAAC
 78301 CAAGAAAAGTG GCTAAGAGCC CAAAGAAGGC CAAGGTTGCG AAGCCCAAGA AAGCTGCCAA
 78361 AAGTGTGCT AAGGCTGTGA AGCCCAAGGC CGCTAAGGCC AAGGTTGTCA AGCCTAAGAA
 78421 GGCGGCCGCC AAGAAGAAAT AGGCGAACGC CTACTTCTAA AACCCAAAAG GCTCTTTCA
 78481 GAGCCACAC TGATCTCAAT AAAAGAGCTG GATAATTCTT TTACTATCTG CCTTTTCTTG
 78541 TTCTGCCCTG TTACTTAAGG TTAGTCGTAT GGGAGTTACT GAGGTATCAG ACGAATTGGG
 78601 TGACGGGGTT GGAGAGTGGC CGTGGTGAGG TTACAGCATT TAAACCTTTA TTGCGGCTTC
 78661 TAGGTCCCTG ACCGGAGGCT TTTCTCGCTG GCGGATGGTT TTGGGATGGC AGTCCCGCCC
 78721 CAGGCCTGTG AACGGCAGAA AAGACCGCAA ACAAGAGGC AGTTTCTTAG TCTAAAGGGAA
 78781 TGTCCGGATT GGACTAAAAA ATTTTCAAAA GTCCCGCCCT GCTCCCGGGT TGGTCCGTTTC
 78841 TTCTAGTACA TGACTTTCAT TCTGTATTTA ATTGGATGGT GGAAGACGTT GCTTATTCTG
 78901 TGTTTTTGTC TTTACTGTGA CTTAAAAGTT TTGCTCTTT TCTCTTATA TTAATGTCTG
 78961 GGATTCGGA CGCTTTCCAT GTTGTGGTA GTCAAGTTGA TGTCTCTGG AGGTAGTGGC
 79021 AACATCCAGC CCTGGGAGGA GAGTGCCTGC AGGTACCTT GTCCTACATT CCTCTGCTGT
 79081 TAATTCCTCA TTCCGTGGC AACGAAGAA TCACATTAAA AAACAGCCAC AACAGGGCA
 79141 ATAGCCCTTC CTCCACCCAA GGCAATCGTG GACCTAGGGA GTTTTTGTG CCACATAACA
 79201 TGTAGCCCTC CGCTAAACTG ACAGGTTTGA GCGTATCGAT TTTGAGCGTA TCGAAAGCAC
 79261 AACTTTAGC CAGCCATTTC GTCCTCGCAT GACTACGGTT GCTTATCCTG TTTAGACAGA
 79321 CAGCAACATT TAAAAATCGA AGTTCTTTA AACGTATTTT GTTGGCAGT CCAAATGTTT
 79381 CTATGCAGAA AACAGTATTG GTACTATTAA CTATGAAGAG TGTATGGATA AATGGGAGAC
 79441 ATTTCTAATA AAGGCCTTCG TTAATGGTTC CCTCTGTTTG ACATCCATGG TGCTTCTGAA
 79501 TACAGAAAGC CTAGCGTCTT ATATTGCTT CTTTAAAAT CTGGGGCA CATTGGGTG
 79561 AGACCTAAAT TATGGGGACT GGGGCTCTG GAGATAAGCT GCTCAATTAT TCTACCATCT
 79621 CCACAATGAT TAATATAGTG AGTTGATTTG TTAGTGATAG TGACCACGGA TTCATCCCAA
 79681 GAAAGAGAAA GGGGAGGGAG GCAAGCAGAG AGACAGGAAG ACAGAGGCAG GGAAGAAGGA
 79741 GAAAACATT CTCATGGTT TAAGTAATT TGTGTTGTTA ATTTTACATT ACAACACGGT
 79801 TTAACATGGT GAAACCTCTA TTTTGGGTA AGGTTTAACA TATGGACATA TTTTTCCCAA
 79861 GACCATTAT GAACTTTCAT TTCTGCTTCC CCCTCTTCC TCCCGTGCCTA CCCTCCACGC
 79921 TCCTATCAAT TTTGGCTGTT TTGTCATAGG CTAATACGCT ATAATTTCAT GGACAGTTGG
 79981 ACTGTCTTAG GTTGCTCAGG TTTCTATTT GTTCTCTTAG TCATTCAC AATTCTTAAG
 80041 GTAGAATTGT ATTGTTTAA ACATTGTGTT GTGTGCTATC CTCAATGCTG AGATGATTAT
 80101 GTGACAAATG GCAAGTGTTC AACTAATACC TAAATCTGTA GTATCTTATC AAGCCTAATG
 80161 CTACTTCACA ATGCCCTACTC CATTACACCTC ACTTTATCTC ATTACTGGCA TTCTGTCATC
 80221 TCACATCATC ACAAGTAAA CGGTAAGCTA TTTTGAGAGA GATCACAGTC ATATAATTAA
 80281 TATTTATATT TATTTATTAA TTTATGAGAC GGAGTTCCCT TCTGTCACCC AGGCTGGAGT
 80341 GCTGTGGCAC GTTCTCGGCT CACTGCAACC TCCGCCTCAC GGTTCAAGC GATTCTCCTG
 80401 CCTCCGCCCTC CCGAGTAGCT GAGATTACAG GGGCCTGCCA CCATGCCGG CTAATTGGT
 80461 TATTTTAGT AGAGACGGGG TTTCAACTAAG TTGGCCAGGC TGGTCTCGAA CTCCTGACCT
 80521 CAGGTTATCC GCCCACCTCA TCCTGCCAAA GTGCTTAGAT TACAGCGTG AACCAACGGT
 80581 CACAGACTCA AATCATTTT ATTACAGTAT ATTGTTATAA TTGTTGTTT ATTATCAGTT
 80641 ATTGCTAATC TCTTACAGTG CCTGATTTA AAATTAAATT CATCATTGCC ATGTGTATAT
 80701 AGAAAAAAAC AGTGTATATA CGGTTCAAGTA CTATCTGTGG TTTCAGGCAT CCACTGGGG
 80761 TGCAGTTTAT TAAACATGCA TTTACATTAG TCTCCCCTTT GGGAGACTAA TTAAC TGAGA
 80821 TGTTGTAACG TGACTTTAAT AGCAGATAGA GCTAATTTC TCTCATTACT CTTCTTTTC

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80881 AGAATTTTCC TGGTTATTCC ATTTTTTATT TTTCCATATG TATATTAAGA TCTCTTCCAC
 80941 CTCCTCCTGT TTCTCCATCT CAACATCAA AAATTAAGA AAAAAAAAAG GCTGGCGCG
 81001 GTGGCTCACG CCTATAATCC CAGCTCTTG GGAGGCCTAG GCGGGTGGAT CACGAGGTCA
 81061 GGAGTTCAAG ACCAGCCTCG CCAAGATGGT GAAATCCCCT CTCTACTAAA AGTATAAAA
 81121 TTAGCCAACC ATGGTGGCAG GCGCCTGTAA TCCCAGCTAC TCAGGGAGGCT GAGGCAGAGA
 81181 ATTGCTTGAA CCTGGGAGGC GGAGGTTGCA GTGAGGCGAG ACCTTGCAC CCAGCCTGGG
 81241 TGACACACCG AGACTCCGTC ATAAAAAAA AAAGCCGGAA GCAGTGGCTC ACGCCTGTAA
 81301 TTCCAGCACT TTGGGAGGCT GAGTCAGGCA GATTACCTGA GGTCAGGAGT TCAGGACCA
 81361 CCTGGCCATG AAAATACAGC CTGGCCATGA AAACACACAA TAAATTAGCT GGGCGTGGT
 81421 TCACACACCT GTAAATCCTAG CTACTCGGAA GGCTGAGACA GGAGAATCAC TTGAACCCAG
 81481 GAGGCAGAGG TTGCACTGAG TTAAGATGAC GCCACTGCAC TCCATCTGGG CGACAGAGCC
 81541 AGACTCTCTC TCAAAAAACT AAATAAATAA AAATAAAGTT ATGGTACATT GAACTTCTGT
 81601 GTTCCTTCT CCCTTAGATA CTTTCATGGC TACCCATTAA ATTGATGTTC TTATCATCTC
 81661 CAAGAGTTAG TCAGGAGAGG AATCAACCCA AGCAAAAATA GCTGATTTTC TAATTTCCCT
 81721 TCAATGCCCT TTGGGGTCTT AATCCATTTG ATTATGTAC TTTCAATTAA TCCTAACCTC
 81781 GAATGTCTTC TGCAAACATG TTTCCACAGA TGAAACTCGT CAAATGAAAC ACATTCCTT
 81841 AATTATAGA GTAAAAAATT AGAAAAAATT TCAATTCTAT TTGGCCTTA GATTCACT
 81901 TGCATATGTT TTCTCAATT TGTTCATGCT CTTAGTTTT GTTTTATTCC ATCACAATTG
 81961 TTCACATAGC TTACTGGCTT AGGTCTAATG AACCAATTCA TTGAAATTAA AAATTGGCCA
 82021 TTTTAAGATG AAAAAGATTC TTGCCTCAAT TTTACTTAGT TTTTGAACACT GTCAATGAGG
 82081 ACACATGTTT TTCTGTACTC TTAGATTCAC TAAGTAGTGT CTTGCAAATT TAACTGACAA
 82141 AGGACAGATT AACATGCGAA AAAAAGAGCA TGCATTTTA TTAGTATATT ACATGCACAG
 82201 AGTCCCCAAA GAAAAAAAAT TTGAAACCTT AAAAACGCG TTAGACTCAC AGACTTATAC
 82261 ACCATCCAA CAAAGGAAAG GGAGTTGCA CTCATGGG TGACGAATT GGGATGTGA
 82321 CAAGGAAATA AATACATGGG CAATAAAAAC CATGGAAGAT AAAATGAAAG ATAGAAATAA
 82381 TTGTAGTAAG GTTGTGTTT GCAGAGTCAT CTCAGTGCCA ACCTTCATA TCTAGTGATA
 82441 AGAATTGCTC TCTTTTCCCT GGTATAGCAG TTGGGGACAC TTTTACAAGG GAAATTCTG
 82501 TCACCTTCAC AAAGGGAAAT TTGGGTAAAG AGAAGACAGA GACCTCTTCC TACACCTGTT
 82561 GATTTTCAAT TGCCTTCAGC TGAAAATAAC TTTTATGCCA AAGTAGAATA ATTTGGGGT
 82621 GACATCCTGA TATTCTCAA AACTTATATT TAATTTCACA TTAGTAATTAA TATCATTTC
 82681 GATTTTAAAT TTAGTTTAT AAAATAATT TGAAAAACGG TAATAATATT CAAATAATTC
 82741 CAGAACACT GCTGATAAGC CAAAACATC AATGAATATT GCATAACAA CTGATAATTC
 82801 AACCATGAAA ATTTATGACA TTGTTCTTGT GTGATAAAAC TATGAGTAAC ATAAAAACTA
 82861 GAGGCTACTT GTAATGCATT ATTCCAAACT TTCTGTTTT TATTTATTAA TTTATTATT
 82921 TTGAGACATA GTCTCTCTC GTCACCCAGG TTGGAGTGCA ATGGCGTGT CTTGGTTCAC
 82981 TGCAGCCCTCC ACTTCCCCGG TTCAAGCAAT TCTCCTGCC CAGCCTCCTG AGTAACGG
 83041 ATTACAGGCA CCTGACACCA AACCCGGCTA ATTTTTTGT ATTTTATGTA GAGACGGGGT
 83101 TTGCGCATGT TTGCCAGGCT AGTCTCGAAC TCCCTGACCTC AGTGATCCAC CTACCTCGGC
 83161 CTCCCCAAAGT GCTAGGATTA CAGGCGTGAG CCACCATGCC CGGCGCATTAA TTCCAAACTT
 83221 TCATACACAG TGCTATCATG GCTACAAATT GAAGTATCAT ATTATACACT CCTAGGCAA
 83281 GCTCTGGATA TTTGGCTAT ATAAGCCTGA GGGAAATGTA GTAAGGACAT TGTGGTTGAA
 83341 ATTACATACCA GAGATGAACA GGCCCAGTGC AAGACAGAAAT TACATCACTA AAGGATATCA
 83401 GAAGAGAATA GGGATTTAGG GTACAGTGGC AACAAACAGTT TTGGGAACTA GCATTTTTG
 83461 AGCACTTATT TACAATATGC CAAGCACTGT TGCTGATTAC TCTATATTAA TTTTCAAACA
 83521 CATTCTTGTC ACAGCACTTT GAAGTAAGTG CCATTGTCAT TCCCACCTCA GGGTGAAGGA
 83581 CTAAAGCTTG GTGTCATTAA GGATGTAGCT AGTTAGCTGT GTGTGTGTGT GTGTGTGT
 83641 GTGCATTTT TTTAAATTAA AGTCAATA AATTTTTATT TGAAGAATTTC CACATCAAGG
 83701 TAAACTTTGT TCCTCTAAAG AGCTGGAGTC AAAATGTATC TTCAAAAGAT TCATCTTCAA
 83761 GTTAGCCCTT CTTAATAGAA CTGATGCTTA ATCCACAGTT GTCAGCCAC AGTTCTTTA
 83821 TTTTGACTTT TTTTTTTTT TTTTTTGAG ACGGAGTCTC TCACTGTCA CCAGGCTGCT
 83881 GGGCAGTGGC GTGATCTCGG CTCGCTGCAA CCTCTGCCTC CGGGGTTCAA GTGATTCTCC
 83941 TGCCTCAGCC TCCCTAGTAG CTGGGACCCAC AGGCGCATGC CATCGTGCCTC GGCTAATT
 84001 TGTATTTTA TTAGAGACAG GGTTCACTA TGTGGCCAG GCTGATCTCA AACTCCTGAC
 84061 CTCATGATCC GCCTGCCTTG GCCTCTCAA GTGCTGGGAT TACAGGTGTG AGCCACTGCA

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84121 CCCGGCCTTA TTTGCCTTC TTTAATCTCC ATTTGAACAT ACACATACTG ATGAAAACAT
 84181 CAACATTCTT CACCAAAAT CTTGGGATT TAATTCCTTC AACCACTTA CTTGGGGTC
 84241 ATTTTAAGAT TAGGTGTATC TGCCTGGTC TCAATTGAC ACCCTTCTC TCTAACATG
 84301 AATGAGTTCC AATCATATT ATTCCCTAACG TATCACACTC AAATATACTA CAGATCTGTG
 84361 GAATATGCCA AAAGTTAAGG TGAAAATTA AATTATTAGG TATTCATAG TTTGCTAGT
 84421 TTTGATCTG TGAGTGAATA TAACTATCCT CTATGCTTG GCACTGTTCC TCAGAAAACAT
 84481 AGGGTCCACA TATGTAATT TAAATTTT AATAGGCACA TTTTAAAAG TGAAAAAAGA
 84541 AATCTATTTT AATGATTG AATCCAGTGT ACCAAAATT GTTTCAACAA GGTATCTAAT
 84601 ATTAAAATAT TGAGTTTTA CTTGTTATT TTACTAGTTC TTTGAATCT GGTGTGTATT
 84661 TTACACCTAA AGCACATCAC AGTTGGAGT AGCCACATT CCAATGCTTA ATACTCACAT
 84721 ATGGTTAGTG GCAACTATCT TGGACAGGAC AGCTTTATA CTCTGGAAAG ACACAAGCAA
 84781 ATACTTGCTC TGAGCAGAA TCCAGATGTT TTCCAAGAAA ACACCTTTTC TGACCTGTTC
 84841 CTGAAACCCA GGTAGTGTCT CTAATACCTT ATATTTTATT GTTGTGTCCT ATTGTAACCA
 84901 CCCAACGGGC TCTCCTGTC CACTCCTAG ACAGAGCTGA TTTATCAAGA CAGGGAAATT
 84961 GCAATAAGGA GCCAGCGCTA CAGGAGACTA GAGTTTTATT ATTACTCAA TCAGTCTCCT
 85021 TGAGAATTG GGGACCAAAG TTTTAAGGA TAATTTGATT GTAGGGGACC AGTGAGTCGG
 85081 GAGTGCTGCT TGGTTGGTC AGAGATGAAA TTATAGGGAG CCTAAGCTGT CCTTTGTGC
 85141 TAAATCAGTT CCTGGGAGTG GTGGGGGG GGACTCAAGA CCAGATAATC CAGTTTATCT
 85201 ATATGGGTGG TGCCAGCTAA TCCATTGTT TCAGGGTCTG CAAAATAGCT CAAGCATTGA
 85261 TCTTAGGTTT TAAAATAGT ATTATATCCC CAGGAGCAAT TTGAGGTTA GAATCTTGT
 85321 GCTTCCAGCT GCATGACTCC TAAACCATAA TTATATAATCT TGTGGCTAAT TTGTTAGTCC
 85381 TGCAAAAGCA GTCTGGTCCC CAGGCAGGAA AGGGGTTTGT TTCTGAAAGG GCTGTTATTG
 85441 TTTTGTGTTA AAAGCAAAG TATAAACTAA GCTCCTCCCA AAGTTAGTTA ATCCCAAAC
 85501 CAGGAATGAA AAGGACAGCT TGGAGTTAG ACGTTAGATG GAGTCGGTTA GGTAAGATCT
 85561 CTTTCACTGT ATAATTTTC TCAGTTATGA TTTTGCAAA GGCAGTTCA CTGTCCACCT
 85621 CACCTCACAT CAGGCCTCTG ACTAGAGGAT TCCAACAATA CTTAGGCCAG GACACCACCA
 85681 TGTCTCCTTA TCCACCCTGA GGGAGTCCAA TTTCTGAAAC AAAGGAAACT ATATATGATA
 85741 GTATGAAACT ATATATGAGA AGGAAATTAT ATATGATAAT CAATTTAGG GTTATCTTAT
 85801 TGATTAGAAG ATATTAAGT GTGACACTGC CTGGCAATGA TATCTGCTGG TAGTAAGAAT
 85861 TTGGCGAATT TAGTGAATT CCTGAGGCTG AACCTCCACT TCTGTAAAAT GGAGACAGTG
 85921 AGATAATTG CCTTACAATG CTGAAGTAAG AATTTTACAC AATAATTCA ACCAACCACT
 85981 TCATGTGGTA CTTGGCCCGT GGAAGACTAT CAATGACAGT TAGTTATAG TTTATACTAT
 86041 TAATGAATCC TTTGTTTCAT TGTTATTTC TTCTACACGT TGGCCTCTCT AAAAGAAGGT
 86101 AATATTCAAT ACAAAATAAG TTAAAACAGC TTGAGAGTT GTCCCAGGGAA ACTCACTTAA
 86161 CCACTGAAGT GTTCAAATTG CTTAAGGTTG ACTTTATATT CTCCTGACTA ACCTTTCTCC
 86221 TTCTGGTATT TCTCTGAGA ACAGCACCAC CATCCAAAGC ATCATGCAA CAGTGGTCAT
 86281 CCCAGACCAG TAATTCTCAA CTCACAGGGT GCTCCTGCAG AGATGTATTT GAATAGAGTG
 86341 GTAGGATGCT GAAGAAGGCC ACGTAAAATT TGGCCAGTGA TCTGGGGCAG ATTTATCCTG
 86401 AAGCTAATGA AACACAAGTG TAAGGGCCTG TACTTCCAAG GTGCAGAGAG GGGCCCTACA
 86461 AATGTGTTAG TTTGTTCTC TCTCTCTC TGATTTTAAA ATTTGAGTA TTAAGGTACT
 86521 TTAATCACGG ATGGTTCAGG CTGCTATTTT CACTCAATCC TCCTTTTTAT TAAAATCACC
 86581 ATTGTCGAT TATGTTAGAA TCCTGATGAA AATATTTGGA ATTTGAGTAA GAGAAAGTTT
 86641 AGTTGAAGAT GTATCTAGTA TGGGGATAAT AAGTTACGTG ATTTGCATAT GTGATCATGT
 86701 GTACTTCATT CGTTGCCAGC CAATCTGACG TAAGAATGGC TTCAGGAGG CGGGCGCGG
 86761 TGGCTCACGC CTGTAATCCT AGCACTTGG GAGGCCGAGA CGGGCGGATC ACGAGGTCA
 86821 GAGATCGAGA CCATCTTGGC TAACACGGTG AAACCCCGTT TCTACTAAAA ATACAAAAAA
 86881 TTAGCCGGC GTGTTGGCGG GCGCCTGTAG TCCCAGCTAC TTGGGAGGCT GAGGCAGGAG
 86941 AATGGCATGA ACCTGGGAGG CGGAGCTTGC AGTGAGCCGA GATTGCGCCA CTGCACTCCA
 87001 ACCTGGGAGA CACAGCGAGA CTCCGTCTCA AAAAAAAAAA AAAAGAATG GCTTCAAGGA
 87061 ATGTTCCCTAC TGCTCACTGG AATAACTCAC CTAAATTCCCT GGCAAGATGC AGGTCTAGAT
 87121 AAAATGTTAT GACATCTAAG TATTCAAAAC ACATTCCCAG CACTGAGAGT GAGTGTCTAG
 87181 TGGAGAGTAG AAACGTATAG AGCCAGAAGC TAGTCTGGAA AGAATTCTTA CAAAGTTAC
 87241 AACTTACATG TGAAAGGAGC TTAACAGAGG ATTTCCAAA TTGAAAACA ATCCTAAAAA
 87301 CTTACTTGAC ATTACCAATA ATGTGTTTG AAACGTAAAGT ACTTCTAAGT TATGAAGAAA

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87361 ACATATTATC ATCAGCCACC CTGGAGGAAA GATTGAATT C TATTCCATT ACCTATAGAC
87421 AACATTACAA AATAATTTCG ATCTGAAGAT GGAATCAGAG TATTCACTCA AACTACAGG
87481 AAAATATACT TGGTAGTGTC ATATTCAAGA GTTAATAAAA TATGCTATTT TCTGAATT
87541 GTGATGGCTG TTGTTTGTCA AGCTTTATA AAATTGGAAT TTGATTTCAT TTTCCCATT
87601 TAAATTATA TTTACAGTCT GCAGTACTTT TGCAATTTC ATTTCACATT ATAGTTTTA
87661 ATAGTTAACCA AGTTGTAAAA GGTTTGATCC CCAGAAAACC TTGATCTACC CCATCAGTT
87721 AGTATACTAA TATATTAGA AAATGGATGA AATCAGCATT TGAATATT TAAATATT
87781 TTAAAAGAGG ACATGGGTAA AAGAGCTTG CAGTTGCCAC CCTTCATTCT CAAATTCCCT
87841 GGATAAGGAT GACCGCATAA TCTTGATG GTCACTACGC AGTCTTGTGT ACTTGTACA
87901 TAAATCTATT TAGTGGACTT TTGGCAGTGT GTACTGAGGC CAGTTCTTC CACCTGAGCT
87961 CTGACTCCAC CTCCAGCAGC CCAAAACCAA TACTGAATT TGGGGTCAGC TATTGTTTT
88021 GTGGACTTAG GTAACACAC ACACATTGTC TTATGATAG CTTTAATAAT ACTGCCATCA
88081 GAACTAAAAT TGTCACGTGG ATTAAAAGGA GTGACGGTGG TGTCCCCAGG AGCCTTCAA
88141 TATGTAAAGTA TTTACACATA TACATGCTAA AAAGACCCCT AGGAATT TAAACAAGGGC
88201 AAAACAGTAA CTCAGCTTGT TTTCTCGCAG TAAAACCGGT TGAAAAGGCC TGATAGACTT
88261 GTCTGCAGTT ACAAAACTTG TGTGTAGTTA TCACCTTTAT ATCTCCTGGA AACTAACATA
88321 GACAACCGAA TGGGTTACAA CTGTTTTAA GTGAAATTGT GAGTGGCTCT GAAAAGAGCC
88381 TTTTCAATGA GGAAGAAACG GGCAGACTTA TGCCCTTCC CCACGGATGC GACGTGCCAG
88441 CTGGATATCT TTGGGCATGA TGGTGACGCG TTAGCGTGA ATAGGCCACA GATTGGTGT
88501 TTCGAAGAGT CCCACCAGGT AGGCCTCACA AGCCTCCTGC AGCGCCATCA CCGCAGAGCT
88561 CTGGAAACGC AGGTGGTGT TGAAAGTCTCG GGCAGATTCT CGCACCAAGGC GCTGGAACGG
88621 CAGCTCCGG ATCAGCAGCT CGGTGGACTT CTGGTAGCGA CGGATTTCGC GCAAGGCCAC
88681 GGTGCCCGGG CGGTAGCGAT GAGGTTCTT CACGCCACCG GTGGCCGGAG CGCTCTTACG
88741 GGCTGCTTTA GTAGCAAGCT GCTTGGCGG AGCTTGGCG CCGGTAGACT TGCGAGCTGT
88801 TTGCTTCGTA CGAGCCATTG GCAATGAGAG CACACACAAA AGTGTAGTGA ACTGAGAGCA
88861 AGTGGCCTTT AAATATAGTGA AGAAACATTG TGATTGGTCC TGTAATATT CAAAAGTCCC
88921 GCGCGATAAA ATCATTGGCT GAAGAGTGAC CAGACTGATT GGTCATTAC TAGACAATCT
88981 TATTGGATGA GTTGGCCAC CGCCCATCCT GTCCCTTTCG TTTCAGTTAT CTGCAGCGAC
89041 AAATTGTCTA AAATTCTAGT TCATCCAGTC CCAAAGAACAA GAGTGTATAA CAAGGTATCT
89101 AAGGATT TTTT AAAATGTAAA TTCCGATTCA GTAAGTTGTA GTGGGACTTG AAATTCTGCA
89161 TTCCCTGACAG TCTCGCAAGT TATCAATGCT GGTGAACACT CACTAAACCA CCAGAAACGT
89221 TCAGACTCAT GTCGGGAAAT AACGCTTATA TTCAAGAGAAT GAGATTCCAT GCTATTGTT
89281 TACTGGCGAA CAGCAAGTTT CCTTGCCCTT TGTTTCTAA GTCCAAGTCA CATTCCCACC
89341 CTGCCTGTTT TCAAAATGTC TTATTTGGT TGGCCTTAAG TTTCACTTTG TATACTCTAA
89401 AATGTACTTT CTAAAGGAAG GTGTTATTCTT CTCGAAACTT AACTTTTAA CACCATTAGG
89461 CTAGGGGGC GGTGGCTCAC GCCTGTAAATC CCAGCATTTT GGGAGGGCGA GATGGGACGA
89521 TCACTAGAGG CCAGGAGTTC AAGACAACCC TGCTAAAAT GGTGAACCC CGTCTCGCAT
89581 AAAATACAA AAACATAGCTG GGCAGGGTAG CAGACGCCCTG TAATCCCAAG TACACAGGAG
89641 GCTGAGGCAT GAGAACCGCG TGAAGCGGCG GGGTGGAGGT TGCAGTAAGC CGATATCGCG
89701 CCGCTGCACT CCAGCCTGGG TGACAGAACT AGACTGTCTC AAAACAAACC AATCCAAACG
89761 AAAAGCAAAA AATACCTAA CAGAAGCAAG TTATCATCCT TTCTTGTGT ACTATGGACG
89821 GCTCTGAAAA ATGCCGTTTC AAGTGTAAAGC TACGTTTTCT GATTTGAGTG TTTACTTGAC
89881 CTTGGCCTTA TCGTGGCTCT GTTATTGGA CAACAGGAGC GCCTGAATAT TGGACAGGAC
89941 GCCTCCCTGA GCAATAGTGA CGTTGCCAG CTGCTTGTG ACCTCCCTGT CGTTCCGGAT
90001 GGCCAGCTGC AGGTGGCGGG GGATGATGCT GCGGGTCTTG TCACGTATGG CGCTGCCAC
90061 CAGTTCTAAG ATCTCGGC GGCAAGTATTG TAAGTACACT GGCGCACCGG CTCCGACCGG
90121 CTCAAAATAA TTGCCCTTC GAAAAGATG ACGGACTCTG CCCTATTGGG AACTGCAAGC
90181 CCGGTAGCGA CGAACAAAGTT TTTGCTTGTG CTCCATTTC CACGTCCGCA AATAGCGACC
90241 TATGAAAGCA GCGGAAAAGT GTGAAAGACA AGCAAGCTGG AATGGCGCCT GAACAAATCC
90301 TTTTATACAA ACTGCAAGGC TGCAATAGGA AGCTATCCTA TTGGTCAATT ATGTTGGTG
90361 CTTTATCCAA TAGAAAAAGA TAACATAAT TCCATATTG CATAAAACCC ACCCCTCACT
90421 GAAACCGTGT TTCTTTGTCA CAATCAGAAG TGAGGAATCT TAAACCGTCA TTTGAATCTC
90481 AGGACTATAA ATACATGGGC TCTGAACGT TCTCTGTACT ACTCTGTAGT GGAGAGTGT
90541 AGTAGCTTT CTATTCTGTT TAGGAATAGC AATGCCTGAA CCCTCTAAGT CTGCTCCAGC

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90601 CCCTAAAAAG GGTCTAAGA AGGCTATCAC TAAGGCAG AAGAAGGATG GTAAGAACGG
 90661 TAAGCGCAGC CGCAAGGAGA GCTATTCTAT CTATGTGTAC AAGGTTCTGA AGCAGGTCCA
 90721 CCCCCACACC GGCATCTCAT CCAAGGCCAT GGGGATCATG AATTCCCTCG TCAACGACAT
 90781 CTTCGAGCGC ATCGCGGGCG AGGCTTCTCG CCTGGCTCAC TACAATAAGC GCTCGACCAT
 90841 CACCTCCAGG GAGATTCAAG CGGCTGTGCG CCTGCTGCTG CCTGGGGAGC TGGCTAAGCA
 90901 TGCTGTGTCC GAGGGCACTA AGGCAGTTAC CAAGTACACT AGCTCTAAAT AAGTGCTTAT
 90961 GTAAGCACTT CCAAACCCAA AGGCTCTTT CAGAGCCACC TACTTTGTCA CAAGGAGAGC
 91021 TATAACCACA ATTCTTAAG GTGGTGTCTGC TGCTATTCTG TTTCAGTTCT AGAGGATCAA
 91081 CTGGAATGTT AGCGAAGACA AGTTTAGAG CCAAGGTTAA CTTGGACGGG GCCGTGCGCG
 91141 GTGCCTCTTG CCTTTAATCC CGGCAATTG GGAGGCCAG GCGGGCGGAT CACGAGGTCA
 91201 GGAGATGGAG ACCATCCTGC TTAACACGAT GAAACCCCCT CTCTACTAAA AATACAAAAT
 91261 AATTAGCTGG GCGTGATGGT GGGCGCCTGT AGTCCCAGCT ACTCGGGAGG CTGAGGCAGG
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 91381 CAGCCTGGGT GACAGAGCGA GACTCCGTCT CAAAAAAA AAAAAAAA AATTAAAAAA
 91441 ATATGAAGTT TTGAAGCAGA AATTATTTG TCGTATGTT TTTCTAAAT TTTTGCGCTG
 91501 CCTGCCTCTC TCCTTGTAA CAGAACTCCA ACACTTACCC AAAGGTAGCT GTTGGGTCAG
 91561 GGTTTCTGTA CTATAGTCCC TTCTGTGGT GCCAGAAATA TGTTACAGGA AAGAGGTCCC
 91621 CATCCAGACC CCAAGAGAGG GTTCTGGAT CCCCGCGCAAG AAAGAGTTCA GGCGAGTCC
 91681 GCAGTGCAA GTAAATGCAA GTTTACTAAG AAAGTAAAGT GGTGAAACGA CAACTACTCC
 91741 ATAGACGGAG CAGGACATT CCGAAAGTAA GAGGAGGAAG GCATCCACCC TAGGTACAAT
 91801 ACTTGTATAT ATGGGGAGAT GTGCTCTGCT ACAAGTTGT GATAAAGGAT TAATTTCTT
 91861 AGTTACTATA TTTTGCAAGA ATCAACATTA TTATCTTAA ACAAAATTAA GAATGCCTTT
 91921 GTTCTCCAGA TATAGGGATA TCTGGACACT CCTAAGTCTG AGTCTGTTA GTAAACATTA
 91981 TTTATTTGTT CCCTTAACCG TAAACATCTA GAAGCTAGGA ATGACTGACT TTCTGGGAAT
 92041 GCAGCCCCAGA AAGTCTCAGC CTCATTTCC TAGCCCTCAC TCAAAATGGA GTTACTCTGG
 92101 TTCAAGTAAC TCTGACACTT TTCTTCTCTT TTTTCTTCTC TTTTCCTTC CTTTATTTTT
 92161 TATTTTTTAT TTTTGAAATA AGAAATCAAG AATACTTGAT GTTTCATCTA AAACAATACC
 92221 CATAATTGAT AAGCCAAAAC AAAACCTAG GTCTTCTAAC TCAAAACTAG GATGTTTTGC
 92281 TGTCTCTGCT GATACTCGGC TGATCGTTAA TAGGTAATTA ACAAAACAAGC CTTGCTATGT
 92341 CCCCCCTCAGT TTATTACCAT TAGATCATAT GCCTACTGTC AATCATATTA ATCCACAAC
 92401 ATGCATTCA CAAAACTTGC CATAAAAATT CACAGGTTTC CCGCTCCCT CGAGTTTCA
 92461 TTTCCGAAGG GTCCCATGTA ATATAAAACT TATATTAAAT ACATTGTAT GCTTTCTCT
 92521 TGCTAATCTT TTTTTTTGTT TTTTGAGACT GAGCCTTGCT CTGTCACCCA GCCTGGAGTG
 92581 CAATGGCGCG ATCTCGGCTC ACTGCAACCT CCGCTTCCCA GGTCAAGCG ATTCTACTGC
 92641 CTCGCCCTCC CGAGTAGCTG GGACCACAGA TACGTGCCAC CATGCCCGC TAATTTTG
 92701 ATTTTTAGTA GAGACAGGGT TTCACCGTGT TGCCAGGAT GTTCTCAATC TCCTTACCTC
 92761 GTGATCCGCC CGCCCTCGTCC TGCAAAGTG CTCGGATTAC AGACGTGAGC CACTGCACCC
 92821 GACCAATCTG TCTTTTGTA GAGGGGCCCTC AAGCATGAAC TTACTGATGG GTGAGAAAAAA
 92881 CAGAATTTC TTTTCCCCTA CAATATAAAC ATTAATTGTA ATGTTATCAT TCAGGACATT
 92941 TTGGTGACCA ATCTTACAGA AATTATATCT TGTCAGTC TATGCAAACC AATATGTAAA
 93001 TCTTCTATAA GTGAGATTGT ATTTCACTTT TCTAGTATCC TTTTAAATTA ATAAAAGAGA
 93061 TTCTAATGAT TATTTTCATT ACTGCATTTC ATTGTAGGGA AGTAGATAAT TGCCCTTTAT
 93121 TCACTGACCT TCGCTTTTTA AAAATTAAA CCATGTTACC ATGAAAATGC TTTTCAGTAT
 93181 TTCTCTACAC ACAAGATTGC TGTAAGGGCA AAAATAGAGA TAGGAATCAT GCATCCATTG
 93241 ATATACATAT TTTGATTTTT AATACATGTT ACCAAGTTGC CTCCTGAAGG TCTGTTTACA
 93301 CTCTCACCAA CAGGGTGTCTT TTTCCTGACT TCCACAAATG CTCTGAACA GTGGGTGTGT
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 93421 CAATTATTGAT TTGAGACTGC ACATTTGAT AATAACATT CTTCTATTAT GGTTTGATTA
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 93661 TGCAATGGTG CGATCTCGGC TCACCGCAAC CTCCGCCTCC AGGGTCAAG CAATTCTCCT
 93721 GCCTCAGCCT CCCAGTAAT TGGGACTACT GGCAAGCGCC ACCACGCCCTG GCTAATTTG
 93781 TATTTTTATT AGAGATGAGG TTTCTCCATG TTGGTCAGAC TGGTCTCGAA CTGCCGACCT

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93841 CAGGTGATCC ACCCGCCTCG GCCTCCAAA GTGCTGGAT TACAGGTATG AGCCACTGGG
 93901 CCCGCCACA TTTCTAAATT CTTTATAAGT ATAAATTCA TCAATCTCA CCAAAACTCA
 93961 ATGAAGTGTG AGTACTATTA TTATCATTGT TTTACAGATC AAAACAAGTA ATACAGTCAC
 94021 TTACTGAGTT CTATACACCT GGTAATTGGT TTGTTTCGTT GTTCTATCAA TTATTGGGA
 94081 AGGGGTGTTG AAATCTCTAC CTTAAATCA TGTATGTGTC TATTTCTCCT TTCGGTTCTA
 94141 TCAGGTTTG CTACACATAT TTTGCAGTTC TGTATTGGG TGCAATACAA TTAGAATTG
 94201 CTTGTTTTTC GTATTGGATT GACCCTGTTA TCATTATGTA ATATCCCTGT CTGTTCTAG
 94261 TAATTTCTT TGCTCTGAAA TATACTTATC TGATATATCA TCCAAAAGAC CACCAAGATG
 94321 GCTAAAGAGT AGAAAGGAGA GATTTACTGG CAATACTAAT TTGCAAGCCA GGAAGAGATG
 94381 GTCCCAGAAC CTGCCAAAAT TACTCTCTT TTGGGGAGAA GGAGCAGGTT GGTTATTTT
 94441 ATGCCTCATA GGCTATATAT TACACAATAG AGTCATACAT ATTTAGCACG TTTGGGGGA
 94501 CAGCTATATA TATTATGAGG GGTGCAAGT GCATTCACAA TGGATAAAACA CGTGTAAATAT
 94561 ACCTCCCAGT TTCACTTCGA GGTTAAATTG TGTTAAAAT GAGGTAGAAT TTAGGTCTTT
 94621 ACATCACAAG GTGAACATATA GGAACAAAGT TTACGTGCTG CCTCTAGCAG CTGGCTGAAA
 94681 ATGGCTTAAG GTCTACAATT ACGTGTAAGA ATAGAATGTG TGTCAAGGCG GTCCTCTGTC
 94741 CAATCAGAGT TGTAGTGGAC TGGACTGTAA ATCAGAGTTA GGAGGGCTTC TGATAGCTCC
 94801 TATAGTTAACG GAATTAGCA AGTGTGAGTT TTTGGTAGT CTTTGAATT TAGGAATTG
 94861 CCATGCCAGC CAAGCCATGA ATGCTCTACC AGTAGGTAAC TTTGTTGCT TAATCTTAGA
 94921 GTCTGCTTA GTGGGTATAG GGGCATCTAT TTTGGTCTTT CAGATCCCAG ATATTATTAA
 94981 TACAGATACT CTTGCAGTTT TGGGCTGATG TTTATATGGC TTATCTTTT TGCAGCCTT
 95041 AATTCAACC TGCGTTATGT TTATATTGA AGTGAGATTC TTGCAAGACAG TGTACAGTTG
 95101 TTGTTTTTTT TTTTTGAGA TGGAATTCA CTCTTGTGTTG CTAGGCTGGG GTGCAGTGGC
 95161 ACAGTCTCAG CTCACTGCAA CCTCCGCCCTC CTGGGTTCAA GGGATTCTCC TGCCTCAGCC
 95221 TCTTGAGCAG CTGGGATTGC AGCCATGCGC CACCACACCC GGCTAATTGTT TGTATTTTA
 95281 GTAGAGACAG GATTCACCAT GTTGGCCAGG CTGGTCTCGA ACTCCTGACC TCAAGTGATC
 95341 CGCCAGCCTC GGCCTACCAA AGTGTGGGA TTACAGGTGT GAGACCTCGC GCCCAGCCAA
 95401 ACTGTTTTT TATGGGTGTA TTTATACAC ACACATTAA TGCAATTATT GATATCTTAG
 95461 GGCTTAAGTT CATGAAGGGT AGTGTGGAA CCATAGTCTC TTGGCCCACT AAATGTTGC
 95521 CAGAAATCAC TGACAAGGCA GATTGATTAA TAGGTGAAAA GGCATTTCAC CTATTGTTA
 95581 ACGTGTCTAT GTGGGAGCAT TCAGAAATTAA TTACCTAACT TCCCAATGAG TTATAGATGC
 95641 TTATATACCA TTTTAGATC ACAGAAAGAA TTGGGGCTTA GATTCTGGTA AAACAGGTTA
 95701 TGGGAGGCAA AAGAGGTTT GCTTGCAAAG GTGGCCTTGT TAGGTAGGTG AAGCCTCCCT
 95761 CAGAAAGAAC AGATGGTAAA TGTTCTTT ATGATTTTA AGTGTAGAC TCTCAGTCTC
 95821 TCCTGGATCT GGGGAAAGGT ATAGAAAGGT GAGGAGGCAT GGCTGCATTA ATGGAGATTG
 95881 TCTACAGATG TAAAATTTT CCCATTAAAG GCAGCTTGC AAGCCCCATT CTGCCTGCTG
 95941 GCCAAGCAGC AGCCATTTC AATATGTCA AAGAAATATA TTTGGGGTA AAATATTGTTG
 96001 ATTCCTTTA GACTGGTGGC CTTATAAGAA AAGGAAGAGA CACCTGAGCT GACACACATA
 96061 CCCTTGCTCT CTCAACATGT TATGATGCAG TAAGAAGGCC CTCACCCAGAT ACTAATTCCA
 96121 TGCCCTTAGC TTCCCAGGTT CTAGAACAGT AGGAAATAA TTTCTTTCT TTAAAAGTTA
 96181 GCCAGTCTGT GGTATTCTGT TATAGTATCA CAAAATGGAC TAAGTAACTA TATTATGATC
 96241 ATCTTACATG ACTGATCCCT CCTACATCAT ACACATACAC AGGCCACATT TGGAACATTG
 96301 TTAGAGGTTT CTCTGCCAG TACAAATGTA CTACAAATTAA TATATGTATT TTAAATTTT
 96361 TGAGTATCTT CAATAGTATA TTTCGTTAA CTTTGTAGT CAAAATGTCA TTATAACATG
 96421 TATTCAATAT GCATAATTAT TAGTCAGATG TTTACATTC TTTCTTCATA CTAAGTGATA
 96481 TGGTTGGAT ATTGTCCTT CTTAAATCTC ATGTTGAAAT GTAATCTCCA ATGTTGGAAG
 96541 TGAAGCCTGG TGAAAGGTTT TTGGATCGTG AGGGTGAACC CCTCATGAAG CGCACTCTC
 96601 AGGGTAATCA ATGGGTTCTC ACTTTGAGTT CACAAGAGAT CTGGTTCTT AAAAGAGTGT
 96661 GACACCTCCC CCATCTCTCT CGCTCAGCTC TCACCATATG ATATGCCAC TCCCTCTTCA
 96721 CCTTCCACCA TGATTGGAAG TTTCCTGAGG ACTTGCAGT AGCAGATGCC TGCACCAAC
 96781 CTCCTGTACA GCCTGCACAA CGGTGAGCCA AAAAAAATTAA CTTTCTTTA TAAATTAGTC
 96841 AGTTTCAGGG ATTCCCTTAT AGTAATGCAA GAACGAACCA ACACACTAAG TCTATTTCAT
 96901 ATTTACAGAA TAGCTCAATC TGAAGTACCC TTTTCAACT TCACAGTAGC TACTTGTAGC
 96961 TAGTGGGCAC TGATTGGAG CGTGTCAAG GGTGAATTGT ATTATGCAAT TAACAGATT
 97021 TTTTATTGT TTTCGCAAAC CACGAGGCAT AGATTGTCTT ACTTTCTCTG CTCCTGGTGT

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97081 TGGAGTTGTT ATTGGGAAAC AACTTATTT CCTCTTATAT TTATATGGAA TAAATAACCC
 97141 CCAATATTC CCTCCCCAAT ATCTGCCTT TGATGTTTT TTGAAGGCAA GTGCCTAGAA
 97201 TTTACTGTTT TTGAAGCACT TACTGAAAGG ATGCCATCA AGTTGTTTG CTAATAGTAC
 97261 ATGCCAGGCG CTTGTTGGTT TGCTTAATTC AAGGTAACCT GGATGAGAAG AAGAGTTTT
 97321 CTCATCCATG GCTCAGTGGA GTATAGATTA CTGATATTGT GACTGGATGT ACTCCTGCTT
 97381 TCTAGTCTGA GTTTTGAAG CTACCCCTAA TCTTGGTTTC AATTTATCT AGCCCTGTAC
 97441 ATATCCAAGG CTCTTCCAA AATGGTCTAC GATTTGTTTA GGAAGTTAGA ATAGCTGTAC
 97501 TTTCTGAACC ACGGTTCTG ACATTTCTG GACTTCAAC ACATCCAGCA TTTTATCGAA
 97561 GTATTTATCC TTCCTACTTG GCTGGCTTCT TCCTTGCCTT CAGGCTGAA TTCAAATGAC
 97621 ATTCTCCTGA TGAAACTTTC CATCCTTATT TCTATTCTT TTTCTTATCC CTTTCTTTA
 97681 TTTTCTCCA CAGCACTCAT CACTTATCTC TACATTTCA TTATGTATTT ACCTTATTGT
 97741 GCACCTCCC CTACAAGACA AGTAGCACCG TAAGGAAACA GGTTGCTGCTG TTTTCACTG
 97801 CTATGCTCCC TGACACTAGA ACACCTCTG GCACTTAGCA GGTTTCAGT AAATATATGC
 97861 TGAACATAATA ATGCTGGATA TACATCTCCC TCATGAACTC TCTAAATCCT TCTAATTAC
 97921 ATTGATCAAT CTTCTTTCC ATGTGCTTT GTATGATTAA TTGCTAAAAA TCTTTATTTT
 97981 ATATGCAGAA CGTGCACTGC TATTTAATCT TCATGTACGT AAGTCCTCCC TTCTCTGAGT
 98041 ATAATCTCTT CAGGGCACTA TCTGAGATAA CTTTTAACAA TCTCCATCAT GAATCTTGTA
 98101 CTTTTCAAA GAAAATGAGC CAGTGATTAC TGATGTTAC GGCTATTGTT GAGGGTGAAG
 98161 ATCATTATAA TTTGAAAAG GGAAGTTGAA TATTGTGAAG GGAAAGATAA CACTAGAGTC
 98221 AGAAGACTTG GGAGAAGGCA AAAAACAAAC TAAAATGAG CACTTTAGT CTCCGTACAG
 98281 TTTCTCTGAA TCAAATCCAT AGTTCTGTGA CAGCGTTGGC TTAGAAGCAG ATTTTTTTT
 98341 TTTTTTTTT TGAAATGGAG TTTCGCTCTT GCCCAGGCTG GAGTGCAGTG GCACGATCTC
 98401 GGCTCACTGC AACCTCTGTC TCCAGGGTTC AAGCGATTCT CCTGCTTCAG CCTATGGAGT
 98461 AGCTGGGATT ACAGGCTCCC ACAACCACGC CCAGCTAATT TTTGTATTT TTAGTGAAGA
 98521 CTGGGGTTTC ACCATGTTGG CCAGGCTGGT TACGAACCTC TGTTCTCAAG TGATCTGCC
 98581 GCCTTGGCCT CCCAAAGTGT TGGGATTACA GGCATCAGCC ACCGTGCCA GCCAGGAGCA
 98641 GATTTTTTA CACTCATGTT TCTTTTCCCT TCTGTCTCC TGTTTCAGTA TAAGCAGACC
 98701 ACAGATAGAA GTAGTAGATA CCTCAGAAAT TCCTGGAATA ATTAATCCAC GTTCATCTGT
 98761 ACTCCATCTG CTCCTATCTC ATGGAATATA AAAGGAAAAA CACCAAGATT TCCCTAGGCA
 98821 ATCTGCTTTG ATTTTAGGTT CCTCAACAGG AGAGCCAGAC AATGGCTGTA ATAATATTGT
 98881 CCCGGCCAAG GAAAACCTTC CCCTTGGCC TCCCAAGGTT TATGGAAAT TACTGGAAA
 98941 ACACAGATTA ACTGGAGAAA AGGCATATAT ATTTATTTC TCACAATTTC ACAGGAGATT
 99001 TTAGAATTAA GACTGAAAGA TACAGGGAA ATTGCCATT TTTATGCTTA GGTTCAACAA
 99061 GATAAACAGC TGTATAGGGT ACGATCTAAT GCTAACAGAC TGAGTGGGAA AGCCCCGCAA
 99121 GGCTTGTCTG TCAAGATTCT TCTTGACCTC TCAGTGCAGC ATTTCTTCCT TCTGGTTATA
 99181 GGACAAGACT CTCTTTAGA ATGGGGGTC TTATGACCTA CAGGCAAACA AGGTAGGTTA
 99241 GAGTAATACT TTTAGGTTT ATGGCTGGTT CTAGGGAAAA GGAGTCTGG TTTGTATGGC
 99301 CTACCTTGAG GAGGAATTCT GGTTCTATG GCTAGACTTT GGGGAGAATG GGACTTACAG
 99361 ACAGGAAGGC AGAAGGTGGT CAGTGAAACA CTTTTATAAT CATAATCCCA TTTTGAGTAT
 99421 TTCTGTTA TGGAATGTTT GTTCTCTCAT TTCTGAAAG ATTCCAGAGA CTCCTCATTC
 99481 AGTGTGTGA AAAAGTCAG GAAATGCAAC TCAAAATGT GCCACTTGT TACGCTGATT
 99541 TCTTGAACT GAGGGCACCT AGGAAACAGT AAATTCAAGG AAGGGCTTTC GCTGAACCT
 99601 AATCAAAAT TTGAAAATTAA AAAAAAATT CAAAAGGAA TTAGTTGTT AAGATTCACT
 99661 TCCCTGGGA ATCTCATCAA CCAGAGAAGA TTAACGTAT CACAGGAGAG GAGACTGGTG
 99721 GTTAACACCA TCTAACACAGA CTTTGTACCA GCTGTCACCT ATTCTTGAA ACACCCATT
 99781 ATTTTTCTCC AAAATCATAT ACTCTCCCT AAGTTGCCTA CATCCCCCTT CTTTCTCCCT
 99841 TATGAATCAA GAGAGCTTAT AAGCTTCTAC AGTTCACTGG GATTGGGGT ATTGCTTTT
 99901 CTTCCCTCCC ACTCCCCCTC CCCTTTTTT GTCTTGAGA CACAGTCTTC TGGCTCTGTC
 99961 GCCCACGCTG GAGTGTGGTG GCTCTATGTG AACTCACTGC AACCTCCTCC TCTGGGGTTC
 100021 AAGCGATCCT CCCACCTCAAG CTTCTCGAGT AACTGGAACt ACAGGGGTGC ACTACCAAGC
 100081 CCGGCTTTT TTTTCTTTT TCTCCCCGT TTCTTTTTG GTTATTTAC TGGAGACAGG
 100141 GTTTCTCCAT GTTGTCCACG CTGGTCTCGA ACGCCTGACC CGCCGTCCCTC GGCCTCCCCAA
 100201 AGTGTGGTA TTACGGGCAT GAGCCACTGC GCCCGATTG AAGGACCTCT TAAATATCTA
 100261 TTTAGAAATT GGTGGAGTC CACTCCTTTC CAAAAACATG AGTCACAATC CGGGAAAAGC

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100321 ACGAGCGGCT GAAAGTCAAA ATAACCAGAA CAAACCTCC ACTCATGCTT AAAAAAGGTA
 100381 TTTTGACAAA ATCCTAATTC GGCCAATTAT TATTAGTATT CAAGTCGAAG GCTCGTCAAG
 100441 CCAGACTGGG GATTGGGTCA AACATAAAC TTACACCAGA CGGAAGGATT ACATGCAAAT
 100501 GAAGGATGCA GATTCTGATT TCCCATTGGG TATTTGACAT TAGCCAATGG GAGAATTCCCT
 100561 CACAGCCTAC CTCCAGTCAG TATAAATACT TCTCTGCCTT GCGTTCTAAT GTAGTTTCAT
 100621 TACATTTCT TGTGGCGATT TTCCCTTATC AGAAGTAGTT ATGTCTGGTC GCGGCAAACA
 100681 AGGCCGTAAG GCTCGCGCCA AGGCTAAGAC TCGGTCTTCT CGTGCAGGTT TGCAAGTTCC
 100741 TGTGGGCCGA GTGCACCGGCC TGCTCCGCAA AGGCAACTAC TCCGAGCGCG TCGGGGCTGG
 100801 CGCGCCGGTG TATCTCGCGG CGGTGCTTGA GTACCTGACC GCCGAGATCC TGGAGCTGGC
 100861 GGGCAATGCG CCCCGCGACA ACAAGAAGAC CCGCATCATC CCGGCCACC TGCAATTGGC
 100921 CATCCGCAAT GACGAGGAGC TTAATAAACT CTTGGGGCGT GTGACCATCG CGCAGGGTGG
 100981 CGTTTTGCCT AATATTCAAG CGGTGCTGCT GCCTAAGAAA ACTGAGAGCC ATCATAAGGC
 101041 CAAGGGAAAG TGAAGAGTTA ACGCTTCATG CACTGCTGTT TTTCTGTCAG CAGACAAAAT
 101101 CAGCCTAACCA GCAAAGGCTC TTTTCAGAGC CACCTACGAC TTCCATTAAA TGAGCTGTTG
 101161 TGCTTTGGAT TATGCCGCC ATAAAGATGT TTTTGAGGTG TTTTTAATGG CTTTGAGTGT
 101221 GGCACTTTA GTAATTGTC CTGCAGAAAT TAGATCCATA GAAACCTCAG GAATTCTAGG
 101281 TATGTGGGAG AAGTGCCATG CAGCACAAAA CATGTTTACA GGGGTGATTC GCGTTAAGTT
 101341 TCACACACAG CAGTTACTAC ATTTAGAGG AAGGAAATTAA TACCCATGAG TGCAATTCTA
 101401 ACTATCTGTA ATGGAAGTGT TAAAACCCGC ATGCCCAACAA CAAGTTGAA TATGTCATAC
 101461 CATTGCTGT AGCAATTAAAT GGCATACACA ATTGAGAGCA CACACATTAC CACTGAACAT
 101521 TTGAGTATGT ATTTCCAAA ATGAGCTTT TTCCAGTTG GGGATGTTTT GCTTTGTTTT
 101581 GGGGTGGAGT CTCCCTCTCG CCCAAGCTGC AGTGCAGCGG CGTGATAACA GCTCACTGTA
 101641 ACCTCGAACT CGGGCTCAAG CGATCCTCTT GACAGCCTTC TGAGTAGCTG GGATTACAGG
 101701 CGAGAGCCGC CACGCCCGGC TAAGAGCATT TTTCTAATTG CCCACACTTC TTATGCGACA
 101761 CCCAGAAAAA TACAATTAA AATAAAAGCGC ATATGCAAAT TTCCCTAATC GTCTCCAATA
 101821 TTCTCTGATT TCTTTTTAT ATTTTAACTA GAAACAATTG GAGGTTTCCG CGTTGTTTTG
 101881 TGTGGTTGTA AATTAAAGA CTTCAGGAAA CTTTCCAGT ACAAGACTTG TCCACAGTGG
 101941 ATATAGCAGC TAAGGGGTTA ACAAAATGAC GTCAGAGTAG CTACGGTAAT GGGCAGGAGC
 102001 CTCTCTTAAT CTGCAACCAG GCACAGAGAT GGACCAATCC AAGAAGGGCG CGGGGATTTT
 102061 TGAATTTCCT TGGGTCCAAT AGTTGGGTGCTGACTCTAT AAAAGAAGAG TAGCTCTTC
 102121 CTTTCCTCCA CAGACGTCTC TGCAAGGAAG CTTTTCTGTG GTTTGCCAT GGCTCGTACT
 102181 AAACAGACAG CTCGGAAATC CACCGCGGT AAAGCGCCAC GCAAGCAGCT GGCTACCAAG
 102241 GCTGCTCGCA AGAGCGCGCC GGCTACCGC GGCAGGAAAG AGCCTCACCG TTACGCCCG
 102301 GGCACTGTGG CTCTCGCGA GATCCGCCGC TACCAAAAGT CGACCGAGTT GCTGATTGCG
 102361 AAGCTGCCGT TCCAGCGCCT GGTGCGAGAA ATCGCCCAAG ACTTCAAGAC CGATCTTCGC
 102421 TTCCAGAGCT CTGCGGTGAT GGCGCTGCAG GAGGCTTGTG AGGCCTACTT GGTAGGGCTC
 102481 TTTGAGGACA CAAACCTTG CGCCATCCAT GCTAAGCGAG TGACTATTAT GCCCAAAGAC
 102541 ATCCAGCTCG CTCGCCGCAT TCGCGGAGAA AGAGCGTAA TGTAAGTCA CTTTTTCATC
 102601 AGTCTAAAAA CCCAAAGGCT CTTTCAGAG CCACCCACTT ATTCCAACGA AAGTAGCTGT
 102661 GATAATTAA TGTGTCTTA ACAGAACAAA TTTCTAAGGA CCCCCCCCCGA AACCATTTAGA
 102721 CTATGGCTT AAAGTTGATT AACAGAAATA ACGGTTGGT CAGTCTGCA GTGTAGGTTA
 102781 TTTCTGACCT TATTAAGGTG CTATTTGGAG AGAAGCTGTG TAAGTCCACT ATCATTCAAGG
 102841 CCTCTAGCTT GCTATGATTA GCATTTGTTT AAACAACCTT GTAAGAGTAA GGGAAAATC
 102901 TGGTAAGTAG TTAACTGGCG CTTACTAGGC ATTTTGCAA AGCTTTGAAA AGATTAGAAA
 102961 ATTGTGTCTT GCGAGTTCCA GTGTCTTCCT CAAAATGCTT AGGAAGATTT TCTCAGCTCA
 103021 ATACATAGTC CCCTAGGTTT TCTCATATAT TATATATATA TATATATATA TATATACTGT
 103081 TAAATTCAATT TGGCTGTTAA CATTAAACCTG AAATTATTTC TGGTGAAAA TGTGAGGCAG
 103141 GGATCTAACT GGCTCTCATT TTATCCATAG CTAGCTACCC ACTTTAAATC TGTCAGTCTG
 103201 TCGACCAAGC ATAATTAAAT CCCTTATATA TGAATTGTTA TATGTGTGGC TTGCTTGT
 103261 AATAGTCTAT CTGGTTGCAT TGCTTTGTCT CCTCTAGGAC TATGCACCAT GACATGCCAC
 103321 ATTCTTTTTT TCAGTACTTC TTGCCTGTAG TTATTAAAAT CTAGAATTAA CAAGTTTAA
 103381 CCATTTCTT TCTGTTGATC TTGCTTTTCG GTTTGGAGG TTGGGGATTG AGTACTGGAA
 103441 GAAAATTAG AGGGATGGGA ATACTGTACG CAAACAAAAG TAATATTTC TTTAAAATT
 103501 TTATATTTC TATTTTTTA TCATATAGCT TTTACATCAC ATTTTACAGA CTAACCTTAG

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103561 ACAACCACCA GAATGTCCAA CATTAAA ACTAATTCCA AAGACCTTGC CTCACATTCT
103621 TTTTACAAT AAATTTTT TACACCTAAC ATTCTTCTT GGCCTACATC TAGAATGTAA
103681 ACTGATGTAC CATACTAAAA TCGCCTGACC AACTGTCAAC AACAAACAAAT CACACACACA
103741 AAAGATTAAGA TTTGAATTGC ATCGTTACT TAAATTCAATT TGTGTTCCAG CTTTTAATAA
103801 GGCAGTTTT GGTTTATAAA GTAATATTG CATTAAAGA ATTATGAAAA TGAATATGTC
103861 AGTTGTTTT ATGATTCGTT TTTCTTGACT CTTATACAAG CGACTCTAAC TGGCATAGAC
103921 ATTTGTTATC CACAGACAGT ATAGATATGT TAGAGATGCC AATGGACTTG GTCTATGCCA
103981 AGGTGACTAC TCACAAGCTC TGGGCCAGC TGAAGGTCAA GTATTTTTT TCCAGTTATA
104041 GATGTGCTGG ATCTGATGTA TAGCGCTTGA CTTTTTATAT TTTCTTATC TGTAGGAAAC
104101 AAATGTGTTG GAGGTACTGG GTCTGACGAA TAGCATAAAA GAATAAAGTT ACATTACTGT
104161 CTGAGGATCA GATGGACAGG GGGTGGTAGC TCAGTCCAGC TATTTCCAC TCCCTCACTT
104221 ACATTCTTG CCCCTCCTC AACAGAACAA GGATTCTGCT GTAACCTTC ATTGACAGTT
104281 GATATTAAA AATTAACGAA TGGATGAAAT TCTCATTGT GAAAGAAAAT TTATTGAGCA
104341 TTTTGTATTT GTGAGTAGTG CAAACATTAA AATATTATAT TAAGAATCTA TTGTTTGTAA
104401 TTAGAGGAGT AATTAAGGAG AGATTGGAGA CAAAAGGGG GTGTTGTTTG CAGAATATAC
104461 CATCCAAAAA TAGACCACTG TGGGATCAGG ATTCTTTGAA GCTAAAGGCA CTTCAAAAC
104521 AGCATTCAAG AAGGAAATT TTCTAAACTT TTCTTCTGA AAACAGGAGA TAAAAGTTCC
104581 AATGTGAAAAA ATGCTCTGCT TGTACCAAGT GAAAAGACAT ATTCTTCAGC CCAGAGGCAT
104641 AGATGAGATA ATTCTGCACA AACACAGCAG GGAGTCATAG CCGAGAGACT TCTATACACA
104701 AACAAACCTT GTTAAATAAA TCATATATTC CTAAATCTC CTCATATGGT TTACTTCCC
104761 ACAATTGCCT CTCTTTAACT TAATGTGAAA GCATTTAGCT TTTGCCATT CTTTGGGGCT
104821 TCACTTTTT ATGAGGGTTTC TCCTGTCCA TAAAATTAC ATTAAATACA TTGTTGATGCT
104881 TTCATTCTGC TAATCTGTTT TATGGCAAAT GAATTATCAG GTCCAGCTGG AGACCCTAAC
104941 AGAGTAGAGG TAAAATTGGC CCTCCCTACA AGATAGAGAT TGTGTCATT AAATGTTGTT
105001 TGTTCCCAAGT TGTTCAGTTT GTCAGGCCCTC TGAGCCGAAG CTAAGCCATC ATATCCCCTG
105061 TGAACGTGAC GTATGCCTCT AGATGGCCTG AAGTAACCTGA AGAAACACAA AAGAAGTGA
105121 AATGCCCTGT TCCTGCCCTA ACTGATGACA TTACCTTGAA AAATCCCTTC TCCTGGCTCA
105181 TCCTGACTCA AAAGCTCCCC CACTGAGCAC CTTGTGACCC CCACCCCTGC CAGCCAGAGA
105241 ACAACCCCCCT TTGACTGTAA TTTTCCACTA TCTACCCAAA TCTTATAAAA CGGACCCACC
105301 CCATCTCCCT TCGCTGACTC TTTTCGGACT CAGCCCGCCT GCACCCAGGT AGAATAAACAA
105361 GCCTTGTGTC TCACACAAAC CCTGTTGAT GGTCTCTTC CACGGACGCG CCTGAAACAG
105421 TTTAACAGGG TTTTCCTGC CCAGTCACAA CAAAGTGATG TTATGTCGA GGCTGAAGTT
105481 TACAGCTAAT GCTGTTGAAG TCTAAATCA GTTTGGTTT GTTAGATTG GGTGAGATGG
105541 CTAAGATTCT CAGAGAAAGA AGTCAAGTTT GGGGTGCATT TTTCAGACTT AAAAATTAG
105601 CAGTAGCCCT TGCACTTTT CCAATAGAAC TGATTTAAGA ATGTTTCAG GAAATTAAA
105661 ACAACAGTGA GAAGCGTGTAA TGGAGAGTTG AACTACACTC CAGACTTGGC TATAGGAAAG
105721 CACGAATGCT GCTATTGTAT TGACACCTTGG AAAAGAGAAC AAAGGAATAT TTTCGGACAA
105781 TTTAACATG TCACATATGA AAAGCTAAAC GGAATCTGTC AACACCTTGT ACGTTATTAC
105841 AGGCTGTGAT TTTAAAAAAA CAATCCTTAC TAATACATAC ATAGTTGCTG CTAGCAATAT
105901 AGTGTGGGA GTAAAAACAC GAAAATGAGA GTTCAGGACA ATATCCAAC TCTGAGCAGA
105961 TTTTTTAAG TAGTAACATC TAAAATTAA CCATATTATG TAATATTAT TTCTTTCCA
106021 CAGTCTCTTC TCATGCCTCG TTCACATTAG CTAATTAAA GTCCCTGAG TATCATCATA
106081 ACCCGATTAA CAGATGAAGG CACGGTTGCA ATGAGCTATC ACCCTCTTCT GAATGAGACA
106141 GTACAGTGTG AAGGATAGCA AACTCCACT CCCATCCTCT TAGGGCTCTG GCTGGACCAG
106201 CAAATTAAAT TAATGTAAAA TGGATTAACA GGAGAAAGGT ATATGCATT ATTAAACACA
106261 GGTTTACGT GACACAGGTG CTCTCATAAAG GTAATGAAAG CCCAAAAAAA GCAGTTAGCT
106321 ACTTATATAA TGAATTGGAC AATTAGTAAA ATGTAAAAAT GCGCTAAAGC AAAGGGATT
106381 AGGCTAGAAT ATATAACTGT GTAGAGAAC GCCCAGCAAG GGCTAGTGCAG AGGTTTGAC
106441 AGAATTCTCT TGCCCTCAGC CTCCTATCCT TGAGAAGAAC GTTGCTTTTT TTAAACTACA
106501 GTGAGAACAT CTTTCATATG AGAATTTCAC CTACTGCTTC TAAGAACAG GTCAGCTTTC
106561 AAGAAAACAT AAGGCCAGAG TGATCTTTG ACGCCCTGCTC TTTTAAGTAC CTTTGAATAG
106621 TCAATATGTC TTCAAGCACT TGAAAGACTT AAAAAGTTTA CCACTCCGGC ATATTAGTGA
106681 AAGCCCTTAA TATAAGCCCT TATTAAAATT CTCAGTCGAG GGTATAAAATT CAGATTCAA
106741 TAGTAGTGTGTC GTAAACGGGA GGGAAAAACT AAAGGGATTA AAAAGTGAAA CTATTGTGTT

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106801 CTCCCTCGCA GTCCTTAGGT CACTGCCCT CGAGGGCGG AGAAAAAGT GAGGCAGCAA
 106861 CGCCTCTTA TCCTCGCTCC CGCTTTCAGT TCTCAATAAG GTCCGATGTT CGTGTATAAA
 106921 TGCTCGTGGC TTGCTTCTT TTCGCGTACG TGTTTTGTG TGTCAGCTGG TTAGACATGT
 106981 CTGGTCGCGG CAAAGGCGGT AAAGGTTGG GTAAGGGAGG TGCCAAGCGT CACCGAAAAG
 107041 TGCTGCGGGA TAACATCCAA GGCATCACCA AACCGGCCAT TCGGCCCTT GCTAGGCCTG
 107101 GTGGGGTTAA GCGAATTTC GGTGATTT ATGAGGAGAC TCGTGGCGTT CTCAAGGTGT
 107161 TTCTGGAGAA CGTGATCCGG GACGCCGTGA CCTACACCGGA GCACGCCAAG CGCAAGACTG
 107221 TCACTGCCAT GGATGTGGTT TACGCGCTCA AGCGTCAAGG ACGCACTCTG TACGGCTTCG
 107281 GCGGTTAACG TTTCTCGAG TTTCTCCA ATGGCCCTTT TCAGGCCGC CCACTCCCTC
 107341 TCAGAAAAGAG CTGTGATTGT ATTCTTCGG ATGGTAACAT CTCAATGGCT TTACTCGGCT
 107401 ATTCTGCCTA GTATGTAGAA CTATTATAAA CCAGTTGGGA GAGACCAGGT TGTTTGGTCT
 107461 GAGTGGCTGC TAAAGCAGAA ATCAGCTAAG TAAACGAGGT CTCCGAGATA AGTGAGCTAT
 107521 AAACCTCAAT GCTATAGTT TGACATGTCA AGCAACTTAA CGTGCAGCGC GAGTCCGATA
 107581 AATGAGTAGC TCAGCTTTT AGTTTAAAAA ACAGAGTTGT CGTTATTGT ACGAGAGCCT
 107641 AAGATGCTAG CTGCCCTGGAA CTGAGTAGGT GGATTAAAAT GGGTGTCAAGG TCTGTTTCC
 107701 CAGGCCTATC TGACTTAACG TCAGAAAAG CTGTACTTTT AGCTTCCCTG GTAACACCTG
 107761 CCGTCCTTAA CCGCCCCCTG CCGGTAGCGC CAGAAGCCTT TACTTCCATT TCTAGTTGAG
 107821 CTTGGCGTCC TGCTGAGTGA CGTCACCTCC CCCTCTCTG GAGTAGGACT GGCAGTTAAA
 107881 GCTGCTTGC TATTTTCAGT CCTCAGGCTG GAGGCTCCCC TAAGCAGGCT GCCTACCGAG
 107941 TTCGTAATT CCCACTTAGT AGACTAAGGG AGTCTGTTTT ATAAATAAGG ACTCAAATT
 108001 CTTCTGACTC CGAGGTCCGT GGCAGCAGCT ATAAGATGGA AGCCCCCTCT GATGTAAGAT
 108061 TCTCAGATGA CTTGCATCTT CACTGTACCT GTCAACCCAA TAGTCTTCTA TTCCCTGCC
 108121 AAATTGTAAA TTCCAAAATC GATTTAATTG TGAAAGTTTC AAACGTACG ACCTAGGAAG
 108181 TGTCAAAGTT AGGTGACCAAG ATTTTAGAA GTCAAGCCAA TATTCAAGCAT CTTTGATT
 108241 GTAACAAATA TATTGATGGC TACTTCAGCA AAAAATCA ACTTTGTTT CTGGTTACTT
 108301 TGCTAACAAAG CTTCTCCTGA CAGGAGGATA TAGTGAATAG GCAGTGAAT AAGTGAGTC
 108361 GGGTGAGAGG TCTGAGCTGG AGATAAAAAT GTGTGAGTCA TCAGCAGATA AATAATGCT
 108421 GAGACCAGAT GAGATGGCTA AAAACTGAAA CATAATGTAG TGCAGCATTG TTTGTAATAG
 108481 TAAATGAGTG GCAACTGTAA AGTTTCATC AGAAAGGACT AGAGTGTACT ATACATCCAT
 108541 AAAATAGAGT ATTTCTCTAC ACAGCCCTAC TAAAGAATGA GAAAGCTGTA CTCCACTACA
 108601 TACTCTGGTG TACTCTGGCT CAGTTCTGG ACTCCTCTT TCTTGCTAA CTCAACTGGC
 108661 CTCACCACTT ACATGCTCTG TGCTCTGTCA AATAGTTGT TCAACAGAAC ACCACGGCCT
 108721 AGCTGTAAGT GCCACGTTAA CTTCTAGCAA TGCCAAAGCC TGTGATAGTG GCAGCTTC
 108781 GCTGTTCTC ATTCCCAGGAA TGCCCTAACCA CCTCTCCAAA TTCTATCAGT TTGCTTCCAC
 108841 CCACCTCAAG CTTCAGAACG AAACATAGAG CTTAAGAAAT ATAGGCCGG CAAGGTGGCT
 108901 CACGCCGTGA ATCCCGGCAC TTTGGAAAGC TGAGCCTGGT GGATCACCTG GGGTCAGGG
 108961 TTCGAGACCA GCCTGGCCAA TATTGTGAAA CCCCCTCTC ACTAAAAAAA AAAAAAAAT
 109021 TAGCTGGCA TGTTGCGGG CGACTGTAAT CCAAGCTACT CGGGAGGGTG AGACAGGAGA
 109081 ATAGCTGAA CTCGGGAGGC AGAAAGTTGCA GTGAGTTGAG ATCGCGCTAT TACACTT
 109141 CCTGGGAGAC AAGAGTGAAT CTGTGCTCT AAATAAGTGT TTGCAATTAT AAACCATCTC
 109201 CCTGACCTTA AATCTCTAGA CTCATATACA ACTGCATATT TGATGTATCT AATTGAATAA
 109261 TGGGCATCTC GAACTTGTCC AAAATATGTT TATACGTAAA CACCAAGTCT GTTCTTC
 109321 TGATATTGT CATGTCAATC AATAGAACCTC CATTCTTCAA GCAGCTTGGG CCAGGAATTG
 109381 TGCAATATTG TTTGCTCTGA GCTTCTTACA ACTTTCACCC AATGCAGTCA GCTCTGTTG
 109441 AAATCAATCA GAATACCTT CATTGTTTC TTTGCTGCTT CTCTAGGAGC AAGCTGCCAT
 109501 GGCGGTTGTG CTGAATGACC ACAGTGACCC CAAACTGGTC TTTGTTTCA CTTTTAATCC
 109561 CCCTGTCATA CAGTTTTTC TCTATCCAGC ATCAACAGTG ATCCTTTTG AAGGTATT
 109621 GTCCACTGTC TGCTGAAAAG ATTCCACTGG CTTTCCATCA CCTTCATAAT AAAAAC
 109681 ATCCTTATCA TAGCCTACAA GTAAGATGAC CAACCATTAC AGTTGCCTG ACTCTCAGGG
 109741 GTTTCTCAGG GTGTAAGACT TACAGTGCTG AAACCTAGAA AGTCCAAGC AACTAGGAT
 109801 GAGCTGCTCA ACCTACTAGA TCTGTAATCT GGCTACCCCTC TGACCTCATT CTCTTC
 109861 TTCTTCTCT TCACTGACCT TGCTGTTCT GGAATGGACC AAGCATTCC AGCATCAGCA
 109921 CCTTTATATC TATTCTTCTT CCCTAGAAGG GTCTTGTCTT GGATATCTGA ATGGCTCTAG
 109981 ATCTCATTTC ATTCAAGCCT CTCCTCAAAT ACCAACCTTA CGAAAGAGAC CTCCCTAAAT

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110041 CATCCCTGT AAAATAAGCT TTTCTGCTCA TTTAGCATAT ATATATATAG TTGACTATCC
 110101 TCAATAGCAT ATATATATAA CATTCCCCA CCTAGAATTA TATATGTAAT AATATATTAA
 110161 ACAAAAATA CATATAACTA GATATATTTT ATTTTGTGTT TGTTCTCTCT CCCCAACTG
 110221 GAATATATTT TTTGAAGGTA GGGACTTTGT TTTGTCCCAG AAGTATCCCT AGCACCTTGA
 110281 ACAGGGCTGA CGTTAACAG GTAGTTATG GAGGTTGTT GAATGAAAGG ATGTGTGAAT
 110341 TTTCTATGTA AGTCTCCAGG CTCTCCACTA AGCCCACCAG AATGCTAACAA CAATCAATT
 110401 CCCATCTCAT TCCTTGACCT GCCACTGCCT GAAGCAATCA GCGTGCAGTT TCTCTTTAGA
 110461 AAATCTGGGG GATAGTCTAG GGGTTGCAA TTAAGCAACA TTATCTTGT TCTGAACAAG
 110521 GACTGCATGA GTGTTAGGAC TGAAGAAGGC CCAAGGTGGT GGTGGGTATG CCTAAGATGA
 110581 GTATGACATA TCAGCAATGC TATGAACATA GCAATGCTAT GAAAGGCCAG GCAAAACGTA
 110641 ACAGGAGCTA GTCGTGGCCT ATTGTTACAA CGACTATACC TCCCATATGG GTAATCGATA
 110701 TCCACACACC CCTCTACATT GACTCTGGAA TTCAGGAAAG GGAATTAAAA TTTTCTAACT
 110761 TATGTACCCC AATGATTCA ACAATATCTG GCATATGAGA TCAATAAATA TCTTTAAAT
 110821 ACCAACTAAG AAAGACATAA AATGACCCAC CCTCCATACC AGGCTCATT TTGCTCCTCT
 110881 GATTCTGAA ACTATCCAGA ATGCAGCTAT GAATTCTCTC CATTGTCAGT TTTAAATTAA
 110941 GCCAAGCTGG GTACTTGTGT AATTCCCAA GAAATCCTGG ATGAAAATC TCAGGTGGAA
 111001 AACAGGACCT CAAAATAAAG AGACATCCAT CACTGAAGCT AACATCGTGA GGCTGAAATC
 111061 AGTCCTATAA CAATGGTACC AAAAGAGCA CAATGAGAGG CATTGTGAA TATTTACTCA
 111121 GATGAGAGTA AGATATTTCC CTATCAGCTA ACCTGAAGTT CACATCCCTT TTCCAGCTGA
 111181 GTTCTGAAGC TAGATGTACT TAACTGGAAC ACATAACTGC ATCAGGAACA TCCTTTAAA
 111241 CTATGGCTAC CATGGCTTGA CTGGACAAAC CCCAGGCTTC CAGGTTAGC ACAGGTGGCC
 111301 CTTCACAGAC CAACATTGCC TATGCTACCA ACCTCATGTC CTACCACCT GCTTGCATCA
 111361 TTTCTCTCTC TGCATATATA AAAATATATG TGTATGTATA TAATCAGCTT TATTGATATT
 111421 TAATGTACCA CAAAATTGC CCACTTTAGG TACAGTTCAA TGAATTTCAC CGTGTTCCT
 111481 TAGTTGTACA ACCATCATCA CAATTTAATT TCGGAATATT TCTATCACCC AAATTCCAT
 111541 TTCTGCGTAA AGGGGGAAAA AAAAAGGTTA ACTGCTGAAG GCCGCGGTA CACTGAAAAA
 111601 GGTGCCTTT CTCTCTAAA CAGATTAA TCTCCCTGA ATTTAGTGTCT CTGGGTATT
 111661 CAGGAGTCTG AATAGGGTTT CAATTTCAAG GGTCTTTTA ATAGAGTAAA ACTGTATTGG
 111721 TGGCGATAAA TTTAGTATTG CTCTCAGTAC ATGATTGAGG GATACTAAA TGTCTCTGTG
 111781 ATTTTATTTT ATAATCGCTA AAAGATGGTT TTTTTTTTCT CTAAAACAGG GTTTTTGT
 111841 TTTCTCAATA AGCTTCTTAG CTTCCCTCC GGCTCCCTGG CTTGCCTCAG GAAATATTAG
 111901 CTCATCAGTT CTGATTGGTT GACAGCTACG AATGGCCCTC ATTGATTGGG CAGCGTTCT
 111961 TTGTCCCTTG GAAACTAATA CAAATTAAACACTACTTT TTTTCCACTC TTTCTTCAGA
 112021 GTTGAATAT CGTGCTCCC CTACCCATAT GTAGTGAGTG GAGGGAAAC TTGGAGTT
 112081 CCTAATCTTT CCTTTTTAGG ATGTCAGCTC AGTATCATT CACATTGAGC
 112141 TTCTTGACTT AATGGATAACA GCTCTCTTT TGTAGTTGAGG GCGGGCCCTG AAAAGGGCCT
 112201 TTGGTTCAGA AATGCAAGCT GTGGAGAAAT CAGCAACCTT AACCGCCAAA GCCATAAAGG
 112261 GTGCGTCCCT GGCCTTAAG CGCGTAGACC ACAGTCCATGG CAGTGAUTGT CTTGCGCTTG
 112321 GCGTGCCTCG TATAGGTGAC AGCGTCACGG ATCACGTTCT CAAAAAACAC CTTGAGCACC
 112381 CCGCGAGTCT CCTCGTAGAT CAGACCCAGAG ATCCGCTTC CACCGCCACG CCGGGCCAGA
 112441 CGCCGGATGG CCGGCTTGGT GATGCCCTGG ATGTTGTAC GCAACACCTT GCGGTGGCGC
 112501 TTGGCACCCC CCTTACCCAA ACCCTCCCG CCCTTACAC GTCCAGACAT GACTTCCCAA
 112561 GAAAGTGAACC AAGAGCAAGT GAGAGAATAG GAAACCGATC TTTATATATC TACGTTACCC
 112621 CTGCCCCAC CTCCAGCGGA CACTGAGACT GAAAAGCGCG CAGGCGGGAA ATGTGACGCC
 112681 TACAGTCCGC CCTTTAACCC CCTCCTCCAA GCCCCAGGAA ATGGCGGGAG CAGCGATT
 112741 GGGAGGGTGG GGAGATGAGG GTGGGACCAA GCAGGCTTGA CCAATGGCCT TTATTTCTT
 112801 AACAGAGCTA CAGGCTTGA GGAACGGGT TAAGAATTAA ATGTAAACCC ATTCTGACTC
 112861 CAGAATTATT TTAAGTCGAA CTTTTTTTAA ACCGAATCT CTCTGTCGCC CAGACTGGAG
 112921 TACATTAGAG CCATCTCGAT TCACTGAAAC CTCTGCCTCT CAGGTTCAAG TGTTTCTCCT
 112981 GCCTCAGCCT TCAGAGTGT A GCTGGGATTA CAAGCGCTCG CCGTCGCGCC CGGCGTGT
 113041 TTGTATTTT CGTAGAGACCC GGATTCGGCC ATGTTGGCCA GGCTGATCCC GAACTCCTGA
 113101 TTTCTGGTAA TCCGCCGCC TCAGCCTCTC AAAGTGTGTT AATTACAGGC GTGAGTCACC
 113161 GCGACGGGCC GAAATCGATT GGTTTGAAAG CCTTCAGTAG CATTAAAACG AAAAGTGCCTC
 113221 CCAATGCATT CCCTTTGTC TTAAATTGGT TTCTTACAGC TACTTACTT GAAAAGGTGG

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113281 TGGCTCTGAA AAGAGCCTT GCTTGGACCG TCAGAGAGAC CACAGTAATC ACGCCCTCTC
 113341 TCCGCGGATG CGCGGGCGA GCTGGATGTC CTTGGCATG ATAGTGACGC GCTTGGCGTG
 113401 GATGGCGCAC AGGTTAGTGT CCTCAAATAG CCCTACCAAG TAGGCCTCGC ACGCCTCTG
 113461 CAGAGCCATC ACAGCGGAGC TCTGAAACG CAGGTCTGTT TTAAAGTCCT GCGCAATCTC
 113521 GCGCACCAGG CGCTGGAAAG GTAGTTACG AATAAGCAGT TCAGTGGACT TCTGATAACG
 113581 GCGGATCTCG CGCAGAGCCA CGGTGCCGG CGGGTAGCGG TGGGGCTTTT TCACGCCGCC
 113641 GGTGGCCCGA GCGCTTTGC GGGCTGCCCT AGTGGCCAAC TGTTTGCCTG GCGCCTTGCC
 113701 ACCAGTAGAC TTCCGAGCAG TTTGCTTAGT GCGAGCCATG ACGGAAAAAC AGCACAGCGG
 113761 AACACCCAAC ACTAGCGCAA ATACGCCAT GAGCTGCTCT ATTATAGTGT TGTAAAGTGC
 113821 AGTGATTGGA TGATAGAAGA CGCTAAATAT GACGTTACAC ACTCTGATTG GTCTATCTT
 113881 AAGCCAGCAA CAATCGTGC GTTTACCGG CTACTATATT CTATTCCAAC TCTACAGATG
 113941 ATTATTTAAG TGGTATTTA TTACTACTAT TATTTTATT TACTTTGCT TTGTTCCCCA
 114001 AGCTGGTCTT AAACTTGGGC TCAAAGGATC TTCCCGCCTC AGCATCCAGA GTAGCTGGGA
 114061 TTACAGGGGA GCCCCACTGC GCCGGCTTGG ACTTTAATT TTTAAACTTG TCCTCTTCTA
 114121 CATCTGGTT TCATAACCTG AAGGCTGTGT TTATTTCCA TAAAACAAGG CATTGATTCC
 114181 AAAGGTATTA TAATTCCCCA ATTCCGTATA ACCTTCAGCT CTTTAGGAAA AAAAAAAA
 114241 AAAAAAAA GAGGGAATAC TGCTCACCTC CTCTCCGAA ATGTACCCCT TACGGGAATT
 114301 TCTGAAACCT TTCACAAGAA TTGGATTCCCT TTGTAATGCT TTAATTGACT TAGGAGTGT
 114361 ATTGAAATCT ACAAAAGCATC TCAAACATAG TAGGATTACA CTATTACTCA GAAACATT
 114421 CTATGAGACG TCTTCTCTT GATTATGCTC TTTGAATCCT AAACTTGCAG CGTTCTGCAG
 114481 CTTTTGTTT CTAAAGCCTA GGTGTACTCT GCCAGTCACA AAATGGCGTT TCTCCAGCAC
 114541 TGCCGCCAGG TACCAACCAGC TGGGAGTTGT TCCTCTGCC GAGCAGGAGG TGGACTTGGC
 114601 CCAAGAGAAA CTGGATAGTG GTTCGCAAGG AACATAATT AGCATTGCC AGAGCTAATG
 114661 CAATCATTT GAAAATCTCA AAACACTGAA AAGTGGATTG TGACCTTTT AAATTCAAA
 114721 GAGACAGGCC ACATTCTATC TTTTGATTGG TTTAGGCTAT TTTCTTGAAC AGCCATTAG
 114781 AAAGCAGATC TATCATCCTT CATTGCGATG GAGCGTTCCC ATTTTATTG AAACCAGTT
 114841 AACCCAATAG AAAAAAGGGA GGCAGAACCC ATTATTTAA GTGGAAACTC CTGAATCAGA
 114901 TAATTAGGAG TATTTCTCTT TCAAAGTTG CGTTTTTCA GATACCTCGC TTATTACACT
 114961 AAGAAAGGTT TATATCTTCA ACAAAAGGTT TACTTACAAA AATCTCCAA TTTTGTATAAC
 115021 CTGTGTTCA TAACTGACTA GCCGTCAAAC CAAGATGTAG AGTTTCCAAC CGTTATTT
 115081 CAAATTTTA GAAATTACGT GAAATATTG AATGCATGCC TTCTCAATAA AATGGGACGT
 115141 AGGAAGCACT GGTGCAGAAG ATGGGTACAA TACTTATCTG GGACCACTCC ATTATTTGGT
 115201 TGGCACGTTG TTTGAACAAA AAGGGAAAA GCTCAGGTTA CTTAGCATGG TTCGGACTTA
 115261 TTTGAAAATC ACCACAGCAG GAGCGGAAAT AAGACCGCAT TACCTCACTC TCTGCTGTGC
 115321 TGTGCTAGGG GGTTATCCAG AATAGGATTG TAGAAGTGGA TGTCGATTAA ATAGTTTTT
 115381 ATTCTCCCAT TAGCTGAGTC TCTGATGGC AATGTGAGAT CGTTTAGCT TATTGATACT
 115441 TTGAAATGCA CTTAACAGCC ACAAAACAAGT TAAAGGGTTG TTACCATAAA ATCTTATCCC
 115501 CAGGGTGTGC TTGCATTAT CACCCGTGTT TGCTTCACA CTAAGTGGAC TTAACTCCCC
 115561 AGCAGAATGC CTGTCAGGGG ACCGGTTTCG TGACCCAGC ATTTAACGCC TTTCGCAGGC
 115621 TTGTGAGGCC CATAAATATT TGTTGAATAA AAGAATGAGT TGACCATGTC ATGGTGCCT
 115681 GATTGCGTGT GCTGACATGG AACACAGGTT GAAACACCTTA ATACCAATT GGGGCATGTT
 115741 GTATGGATGA AAAGGGCATT GGAAATCCT GAAGTGCATC CCACATTGGA CTGTGGAAAT
 115801 AAGTTGCAAG TGCAGAAACG TTTCCACACT TGCAAGTTGA GTATTAATTG CAGCGTTTG
 115861 GAATTCTGGT GTTGTCTACG ATTCAATTCTT GTTGTACGTG AAAGGTATTG GCGAGACACA
 115921 TCGCTCTAAA ACATTGCCAG AAAATGTAAT AGAGTTGATG ACAACTGGCC CTAACACGGC
 115981 CTAAAACCTCG CACTTTCTC TCCCTCCGCA ACTATTCAA AACTGTATT TTACATTCT
 116041 TGCAAATTAA AAACTAACAT CTCTGGCAAC GGACCTCTAA AAATTCTAA TAAAACCTCCT
 116101 CGGATGCTTG TGGCACTGCA TTTGTAAACC GCCCCCTCTC AACCTACTCC CTAACAA
 116161 GCTGCTTTT GAGAGAGAAG CGGTACCCCTC TGATGTTACT GGGCAGCAGT CTGCCTACAA
 116221 TTTCCTTCAC AATGAGGCAA CCAGAGCGGC TTTTTCTGTT TGTTGCTTG CGTTGAGGGG
 116281 AGCAGGACCA TAGGCCCTAG AGGCCCGAG CTGCCTCTG AGACTGGCG AAACCCCTCGG
 116341 CAGCGCCAG GGGCGCTAG GGCAGGAGGG GCGGGCACTG ACGGGCACCA ATCACGGCGC
 116401 AGTCCCACCC TATAAATAGG CTGCGTTGGG GCCTTTTTT CGCATCCTGC TTCGTCAGGT
 116461 TTATACCACT TTATTTGGTG TGCTGTGTTA GTCACCATGT CTGAAACAGT GCCTCCCGCC

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116521 CCCGCCGCTT CTGCTGCTCC TGAGAAACCT TTAGCTGGCA AGAAGGCCAA GAAACCTGCT
 116581 AAGGCTGCAG CAGCCTCCAA GAAAAAACCC GCTGGCCCTT CCGTGTCAAGA GCTGATCGTG
 116641 CAGGCTGCTT CCTCCTCTAA GGAGCGTGGT GGTGTGTCGT TGGCAGCTCT TAAAAAGGCCG
 116701 CTGGCGGCCG CAGGCTACGA CGTGGAGAAG AACAAACAGCC GCATTAAGCT GGGCATTAAAG
 116761 AGCCTGGTAA GCAAGGGAAC GTTGGTGCAG ACAAAAGGGTA CCGGAGCCTC GGTTCCCTC
 116821 AAGCTCAACA AGAAGGCAGTC CTCCGTGGAA ACCAAGCCCAG GCGCCTCAAAG GGTGGCTACA
 116881 AAAACTAAGG CAACGGGTGC ATCTAAAAGG CTCAAAAAGG CCACGGGGC TAGCAAAAAG
 116941 AGCGTCAAGA CTCCGAAAAA GGCTAAAAGG CCTCGGGCAA CAAGGAAATC CTCCAAGAAT
 117001 CCAAAAAAAC CCAAAACTGT AAAGCCCCAG AAAGTAGCTA AAAGCCTGCA TAAAGCTAAG
 117061 GCTGTAAAAC CCAAGGCCG CAAGGCTAGG GTGACGAAGC CAAAGACTGC CAAACCCAAAG
 117121 AAAGCGGCAC CCAAGAAAAA GTAAATTCAAG TTAGAAGTTT CTTCTAGTAA CCCAACGGCT
 117181 CTTTTAAGAG CCACCTACGC ATTTCAAGGAA AAGAGCTGTA GTACACAGAT GAAATCCCC
 117241 AAGCAAATGC AACACGCCCT CAATTATATT AGAATCACTT GGAGAGTCGA TAGAACTTTA
 117301 ACATAGCCTC ATCTAGTAAG AATTACTAC TCAATCTATC AAAGATAGCA AGGTGAATT
 117361 AAATGCACCG AGTAAAATC GAGTTTAAA GTCACCTGGG TTTCGGTAGC CGGAAGTCCC
 117421 GCGTCTCACG ACTCCAAGCT AATTAGTCAT AACCGTATTG AACCAAGGTT GAAGCCCGAT
 117481 CCCAGGCTTG AGGTTTTA TTATACAAGG TTAAAGTGGG GATATTGCGT TTTGGGGTCA
 117541 ATATTGCTAA AGTAGCATTT TCCGAAATTG GGTGGTCTA AGAAATGCTT CTGGGATAGT
 117601 TGGAAAATA TATGGCTTAA CCACGCCCTC TCCACAGGAG TGGCTAGCGA GCTGTCGTG
 117661 CTTGGGAAGG ACGGTGACCC TGCTGGCGTG GCTGGCGCC ACAGTGGCGT CCTCTGAAAG
 117721 CCCCGCCAGG TAGGCCTAGC TCGCTTGCTT TCTGCAGCGC CATCATGACA AAGCTTTGAA
 117781 ACGAAAATG CTTTCTTTGT GCAGGCCCTT ACCATGGGTG CACTTACGGG CTGTCGACTT
 117841 GTTTAGGCC CTTGTCAGGA CAAAGGAGCT TAGTTTGTG GAGTTTAAAG GCTGCAACCC
 117901 AAAATCCCTT GCTCGGTTTC TCTGTTTTA GAAACGGAAG CGCCCTGATT GGATATTGAA
 117961 AAAATTACTGT GCTTAACCTGG ATCGTGTTC ATCAGTCGTG CAGGATTTTC AACCCCTGGT
 118021 GAGCCCACAC ATTCAAACCT GAAGATCCTT TTCTCAGAAC TGCCCCTTA AGCTTTTGCA
 118081 ATTTTAATTC TGGGGGTCAAG ATTTTAATAA TTGGACTTTT TTGTTTACAT CTGACAAGAG
 118141 TATATGATGA GCCAAGTTTA CTCACTTTA CTAGTGCAG TTCAATTCTA AAAGTTTATT
 118201 TTTGCGTGTG TGCAATATGAG TTAATAATCA GTTGTATTTT TCAAAACGGTC TTTTTTCAAT
 118261 TGTTTGCTT AGCTCCTTCC ATCGTCTAAA GTCAGGGATA CAGGCACATC ACATCCCTGT
 118321 TCCCCCTTCC TCAAACATAAT ATGAGCTAC CTAGGTTTAT CCTTTAAAAC AAAATTCTC
 118381 ACCTATTGTT GTGAGAAATA TACATGTTT TCTTGAAC AAGTATTGTTA CATACACCTA
 118441 TCTATATACA TGCAACTTG TGGTTTGTT TTTTTAAAAA AAAAAAAAGG AAAACACGTT
 118501 ATCTTTGAG ACTGGGTCTC AGTCTGTTGC CCAGACTGGA CTGCACTGGC ATAATCACAG
 118561 CACACTGTAA CCTCCAACCTC CTGGGCTCAG GCTATCCTGC AGCCTCAGCA TCCGGAGTAG
 118621 CTGGGATTGC ATGCACGCAC CACCAAGGCCG GGCTTTTTGT TTTTATTTT TGTGGAGACA
 118681 GTCACACCCT GTTGTCCAAG CTGGTCTAGA AATGGCCTCA AGTGATCATC GACCTCCCAA
 118741 AGTGTGGGA TTACGGTCAC TGTGCTGGC CTTGTATGCA TAATTGTTT GTCTTTGAT
 118801 TAGGGTTATT AATTAAAAA ACAAAAGCTG GACGCAGTGG CTCACATCTG TAATCCCAGC
 118861 ACTTTAGGAA GCCAGATGGG CAGATTACTT GAGCTCAGGA GTTCAAGACC AGCCTGGGCA
 118921 ACATGGTGAA ATCCCATCTT GACAAAAAAAT ACAAAAGCTG AGCAAGGCC AGTGGCACCG
 118981 ACTTATAGTC CCAGCTACTT GGGAGGCTGG GGTGGGAAGA TGACTGGAAC CTGGGAGGTA
 119041 GAGGCTGCAG TGAGCAGAGA TCGTGCACACT GCACTCAAGC CTAGGTGACA GAATGAGACC
 119101 CAGTCTCAAAC AAAAAATAA TAAAAATTAA TTACAACGAT GTTATATACA CTTCTGCATG
 119161 TTGCTTTCTT CTTAACCAAA CTTTTCTAAA ACCCTGTCAAT GAAAAAAAGAA ATCCCTTCACA
 119221 TGGAAATAGCA TAAGTTATTTC ATCCATTCT TATTGATAAG CATTGATGTT TCCAGTTACC
 119281 ACTGCTGAAC ATGGTGCAAT TGAATAGAAT TCCAGGGCTG AGATTGCTAG GTTTTAGGTT
 119341 GTATTTTATT ATTTTATTAA TTTATTATT TATTAGACA GAGTCTTACT CTGTCACCCA
 119401 TGGTGGAGTA CAGTGCCATC ACCTCAGTTG CAACCTTGC CTCCTGAGTT CAAGCGATTC
 119461 TCATGCCCTC GGTCTCCCGA GTAGCTGGGA TTACAGGCAC CTGCCACCGAG GCCTGGCTAA
 119521 TTTTTGTTATT TTTAGGAGAG ATGGGGTTTC ACCATGTTGG CCAGACTGGT CTCAAACCTCC
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 119641 ATGGGCCAG ACCTGGACTT TGTCTTCTGT TTCATCAGTC CTTCTGTTGG TTCAAGCACA
 119701 GTATCACACT GAAGACTGAT GATTCTATAT AAATATGGTA AAGACTGTAC ACCCTAACTG

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119761 TTCTTATTT TTAATTAA GGCAATTAA GATTCCAGCT TTCCAAAGAA TTGTGGAATG
119821 CTTAGAGCTA GAGAAGCCTT GGAAGTCATT TAGTTTTGT TTTGTCAGAG AAAATTCTGT
119881 AGAGACTCTG TCCTGCTCTC ACTGAATACC ATCCCAGTAGT ACCCCCCAAC AGCTTTAAAG
119941 GGCAATAATA CCTTATGGAC AGTATGCTT TCCTCAAATA TATTCTAACGC CATGGTCAAT
120001 GCAAAAGAGT GAGAAGGAAA GTAGAATAAG TTATCTAACG ATCAGTGGGT GCTCTCTTAA
120061 AACTGATTAA TCACTCCCCC TTCCAAACTC TCTGAAGGT CACTCTGCCT CCCTTCTAC
120121 ATAAGAACTC CTAACCTCAA GGGAGGAAGG TAAGTTATTC TTATTCTTG CTAGAAAAAA
120181 GAGAAAATAG GTTGGTAAG CATCGCTT CTGCTACCAT TCTCTGTGTT TCTGTGTTTT
120241 TTATAGGATC ATTCAATTAT TGGTTGGCTC TTGAGAGGGA ATGCAAGGTT CAAGGACACA
120301 AGCCTAGATC TTGCTGTAT AGAACCTCAT GATGTTATGC TTCTCTAAAA TGAGGCCTGG
120361 AGGAGACATG TTGAAAGTGA CCCATAAATC TGCACTATCT CATGTCCTC AATGGGGACA
120421 AGGACTACCA TGGAAATAG CATTAGGTCA ATGACAGTAA CAACTCCCAG GTGAGTTGAT
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120601 AAGCAGTCCA TAAACCTACA TATAAAGCAA ATTGGAGATT TTAAAATTGA TTCTGGATGC
120661 TTAAAATCCT TCTCATTGAA AAAAATTTT GTATTAGAAG ATTTCAACAT TCTTTAAACT
120721 GAGAAGCATA ACATATAAAC AGAAAACCAC AGCAAAACAA AAATGCAAAG CTCACAAAT
120781 GAACACAAAG TGAACACCCT AATAATTGCC ACACAAGTAA AAAACAGAA AATCAGCCAA
120841 CCCTCCCAGA GCGCCTGAT GCTGCTTCC AGTCACATTA TCACTCCATC TGCCCTAAAC
120901 ATAACCCCTA TTTGATTTCA CAATGCTGTA ATTTAGTATG CCTGTTTTG AAACATATAA
120961 AATGAAATA AAACAAATGT AACCTATGT ACCTGACATA TTTCACTCCA GAACATTAGG
121021 TTTGAATAGA TTCATCTGTG TTGCTGTGTA TAACTTTAAT TCATTTTAT TGTTATGTAA
121081 TATTCCATGT TATGAGTGCA ACAATTAGG TGTCTACTGT TGATGCATAT TTGCTTCCCT
121141 TTTTCAGCTA ATATAAACAA TACCGTGAAT ATTCCTGTGT ATGTGTCTTG GTATATATAG
121201 GAATACATAT TTTGTTGT TACCTAGGAG AGGAATTGTT GGGTCAAATG CTAACACTCTT
121261 TTTGAAAGTG GTGATATTAG GTTTACATGC GATGAAATGA AAATTAAAAC CACAGTTATA
121321 AACAGCATGG ATGAAACCTCA CAAACCTAAT GTTGATGGAA TCTAGCTGGG AATTCCCTGTT
121381 CTTCCATATA CTTCCAATA TTTTTTCCA ATAAAAATTG TTAATTTTT GAAGATGTTA
121441 TCCATTGTGG CAGATGTGCA GTATTATCTC ATTATGGTTT TATTTACAT CTTTGGCCA
121501 TTTTTCTTA ATTGGATTGT ATATCAGTCG ACTTGGGCTG CCATAACAAA AATACTAGAC
121561 TAGGTAGCTT GAACAAAAGG AGTTTATTAC CTCACAGTTC TAAAGGCCAG GCCAGAAATC
121621 CTAAATTGAG GTGCCAAGAG ATTCAGTTTC TAGTGAGGGC TCTCTTATTG ACCTGAAGAT
121681 AGTTGCTGTC TTAGATTGTT TGTTGCTGAA CAGAATACCA GAGACCAAT AATTTATAAA
121741 GAATACAGAT TTATTTCTTA CAATTCTGGT GGCCTAAAG CCTATGGTCG AGGGGCCAC
121801 CTCTGGCAAG GGCCTTCTTA CTGTTATGGC AGATGTGAGA TGTCACTCA TATTCAAACC
121861 ACAGCAGTCG CCTTTGTGT CCTCATGTGG CCTCTTCATA TGCCCATAAA ATGACCTCAT
121921 GTCTCTCCT TTTCTTATAA GGACACCAGA TCTATCAGAC TACTGGCCTA CTCTTATGAC
121981 CTCATTTAAC CTTAAATATC TCCATAAAGT CCCAAAATCC CTATCTCAA ATATAGGCAC
122041 ATTGGGTGTT AGAGTTCAA CATCAATTG GGGGGAACAC AATTTAGGCC AAAAGATTTG
122101 TGTTTTTTCT TGTTGGTTA AGATAGCTGT CTTTTGTGTC TTTTTGTCT TTCTTTTTT
122161 TTGAGGTGGA CTCTGTGT GTCACCCGGG TTGGAGTGCA GTGGCGCTGT CTCAGCTCAC
122221 TGCAACCTCC ACCCTCTGGG TTCAAGAAAT TCTCCTCCTC CCAAGTAGCT GGGACTACAG
122281 GTGCATACCA CCGGCCCTG CTAATTTTG TATTTTGAT AGAGACGGGG TTTCACCATG
122341 TTGGCCAGGC TGGTCTAAA CCTCTGACCT CAGGTGATCC ACCTGCCCTCG GCCTCCAAA
122401 ATGCTGAGAT TACAGGTGT AGCCACCAAA CCTGGCCTGT CTTTTCTGT TTAAGTTTT
122461 AAATTTGCT CACGAACCCCT TTATCCATT TATGTTGTC AGGTATTTC TCTGTAACCT
122521 GTCTTCACTC TGTCAAGAGG TGGAGTGCAG TGGCACAATC ACAGCTCACT GCAGCCTCCA
122581 CCTCCCAGGA TCAAGCGATC CTCCCATCTT ATCCTCTTA GTAGGTGGGA CTACATGTGC
122641 AGGCCACCAT GCCCAGCTAA TCTTTGTATT TTTTTGTAGA GATGGTGCTG TTGCCAAGT
122701 TGGTCTAAA CCTCTGAGCT CAAGCAATCC ATCAACCTTG GCCTCCAAA GTGTTGGGAC
122761 TAGAGGTGTG AGCCACCACT GCACCCAGCC AATGATATCT CATGATGCAT TAAAGTCATT
122821 AATTTAGTGT ACTCAAATTA AGCACACTGC CCTTTATGC ACAACCTTT TTGTATCTTA
122881 TTTAAAAAAAT CATTCTAT TTCAAGGTCA TGAAGATCTT ATTTATAAT ACCTTCTTGT
122941 GAAATTAGTT CTCAAGACTA CCCTCACTTC TAACACCAAT TATAAGTTGG GAGGTCTGTG

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123001 GTTCCCAATC AACCTTAGGT TAGTAATTG CTAAAAGGAC TCACAGAACT TGCTGAAGCT
 123061 GTTAGCCTCA TGGTTACAAT TTATTATAGG ATATATAGCT TATTATGTCA TTCCAATGCA
 123121 ATGTAAAATT ATACAACATC TTTAAAAAG ATTTAGCAT TTGACCCAAC AATTTCACTC
 123181 TGAGGTATAC AAACAGCAGA TATGTGTGCA CATATATACC AAGACACATA CACAGAAAA
 123241 TTCATTGTTT GTAATAGTTG AAAAGGGAA ACAACTCAAG GAATAAAGAT TAAAATCAGC
 123301 TGAGAAAAGA AACACACAAG GCAGTATTAT GGATCGAATT GTATGCAGAT CTCCCTTGCC
 123361 CCCAGAAGAT ATGTTAAAG TCCCAACTCC CAGTACCTCA GAATTGTGGC CTTATTGGA
 123421 AATAGGATAG TTGCAGATAT AATTAGTTA GATGAGGTTA TAGTACAGTA TGATGGGCTG
 123481 GTGACTTAGA AGAAGTAGTA TATATATATT TTTAATAGA ACTAGTATTG TTCTAAGGTG
 123541 GTCACGTGAA GACAGACACA CACAGGCAGA GACTGAGGTT ATGCAGCTGC AGGTCAAGGA
 123601 ATGTCAAAGG TTGCCAGCAA GTACGAGAAG CTAGGAAGAG TCAAGGAAGG ATTTTCCTAC
 123661 AGGCTTCAGT GGAAGCATAG ATCTAATGAT ACCTTCATGT CAGATTCTA GCTTCCAGAA
 123721 CTACAAGAGA ATATATTGT TGTTTAAGC CACCCTAGCT TCTAGCTCTT TGTTACAGCA
 123781 GCCCTAGGAA ACTAATATAG GCACAATCCA GGCAGTTCC AAATATGAGC TTCCAGTTGT
 123841 CCTCTCCCAG TAATATGAAC AGTATTACTT TCCCAGCATTT AATGTGTGAC AATACACATG
 123901 ACGTACAGAG CAGTCCCCAC TTATGCACAA AACATATGTT CCAGGACCTC CAGTGGATGT
 123961 CTGAAACCAT GGATAGTACT GAACTCTATA TAGCTGTTT TTCCCTATACA GACACAGCTA
 124021 TGATAAGGCT TAATTTATAA ATTAGGCACA GTAAGAGATT AATAACAATA AATTAGAATA
 124081 ATTGTTAAGA ATATACTGTA TAAAAGTTAG GTGAATGTTT ATTTCTGAAA TTTACCGTTT
 124141 ATTATTTTG GACTGCAGTA GACCACAGGA ACTAAAACCA TGTAGAAACC GTATACAAGA
 124201 GAACTGTATT TCACCCGAGC CTCAGTGTGC AGTTTAATG GCCTGCCATG GTTGACTGCT
 124261 CACATGGCCG ATCTTTAGT CTACCTCCAC AGGTAGAGCT GATACTGTGT GGCTCAAAGT
 124321 TCCTATTATA AATCACATTG TTGACTGTGT GGTGGTCAAA ACCTCCAGGT AAACAAAGAC
 124381 ACACTTATCA GTGAGAACAT TTCAAGGGTC TAAAATTCTA CTCCCAGTAG CTGAGGGCAA
 124441 AGGCTAGACC TCTTTTGGG TAAGATAAAT TTTTACCAT ATACTTTATT TTGCTTTCA
 124501 TGTTTAACCTT TATTTTGCTT TTCATGTTAG TTCCCCCTGGA ATTGTTTTT GTGTATAGTG
 124561 TGAAGTAGGG GGTCAAGTTT CTTTTTTTTT CCTTTTTGT CTTTTCTGT TTAAAAGGCT
 124621 ATACAATTGT CCCATGCCAT TTATTTACAA GAGTCCTTC ACCATTGTT TATGGTGCCA
 124681 CTTTAGATGT AAATCAATGT CCATATTGT TTGAGCCTGT TCCATTGTT TGTCTATT
 124741 TGGACAACAC TGCCCTGATT ATTGTCATTT TATCAGTTT GATATTTAAAT AAAGCAACAG
 124801 ATTTGTTTAT TTTGGGCCCT TGGATTGTG TATTAATTG GAACCTGTT TGTCAATTTC
 124861 TATAATAAAG CTTATTGGGA ATCTGATTAG GATTACAATG GTTTGTAGA TCAGTTGGG
 124921 GACAATTAAAT ACCTTTAAAAA TATTGACCGC TTCAACTGTAA AATATACTCC TCCATTATT
 124981 AGTTTCCCTG TTTAATTAT CTGAGTAATA CATTATAGTT TTCTTCGTAG AAGTCAGATA
 125041 CGTAGAAAAT TCAAAGCCCA AGTGCAATAG CTCATGTCTG TAATACCAGC ACTTTGGGAG
 125101 GCGGATGTGG GTGGATCACC TGAGGTCAAG AGTTTGAGAC CAGACTGGCC AACATGGTGA
 125161 AACCTCATCT CTAGTAAAAA TACAAAAATT AGCTGGGTGT GGTGGCGGGC ACCTGTAATC
 125221 CCAGCTAATC AGGAGACTGA GGCAGGAGAA TCGCTTGAAAC CCAGGAGGCA GAGGTTGCAG
 125281 TGAGCCAAGT TCCTGTCACT GCACCCCACC CTGGCGACA GAGCGAGACT TCGTCTAAA
 125341 AAAACAAAAA AAAGAACAT CAAATAATCA ATGTAGATAA TTCAAAATAAC TAAAAAATGA
 125401 ACAGTTATTA AAATATCAGG ATATAAAAGC AAAAATCA ATAACCTCCA TATATACAAA
 125461 ATGGCCAGTT AGAGAAAAAA AAAAGAATAG GCGAGACTTA AAAAGGCTGG GAATCTCCCT
 125521 GAAAATCTT GAGAGCCTTG GCCCTGCCCT CAGGGATTTC TCTGGCTTCA TGCCAGATA
 125581 CGGGTACAGT TCCTTGTTA AAAAATTG GCTCCATCAA TCAACAAAGGG GCTCCCTCCT
 125641 CAGAGCACAA GGACCTCCAT AACACCGGAC ACTAGATGTC TAAGGGACAC CTCTTAAGGA
 125701 AGTTAGACTT CCAAAGAATG GTGTTCCCTC TGTCCTTAACT CTCTGGAAC CACAGCACAA
 125761 CTGCTCCTTG GAGTCGGTT TCAAATCTAC AAGGCTGTCA TGGAGGTTGC AGACCAAGTC
 125821 CGTGGCCTCA GTGTCCGGAT GTACGGTGGC CTTGGCACCT GAATGTGAGA ACATGACCTC
 125881 CCTGAAACCA CCACAAGTAT TGTTTCATGT TATGTATGTT TTTCTTATC TGAAATT
 125941 TTTCTTAAA AATTCAAATT ACATATTTG CAAGCCCCTG AACAAAGCTTC ATGAGCATT
 126001 ATTGAACCCA CAGCTTTAA AACCTACTGAA ACACCTTGCT CTATGTTGTC ATTCACTATC
 126061 CACCAATTAT TTAATTATTG ATCAATATTG TTTCCTTAGT GTTGGGATCA TTTATGCATG
 126121 TATTTCTTTT ATATTGCATA TTTTATATTG CTGCATTACA GTTATTACAT ATTACTTTG
 126181 CTACAGTAAT AGTCAAAAG TGTACATCCA AAATTTAGCT GTGAAGTGGA TGGACTGAGG

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126241 CAGAACTGGA GGCAAGAAAA TGTCACAGTA ATTCTAAAAA AGATGATGTA CAATTAGAGC
 126301 AAGAGAGTAG CACTGAAATT GAAGAAAAAT AGATGCGTTT GAGAGAAAAT TAGGAGGTAG
 126361 AATCAACAGA TTAGATGTAG GGATGAGAAG GGTCAAAGAT GACACTAGGG TTTTTAACG
 126421 GAGCAAGTAG GTAGACAGAA CATTCTTCC TGAAAGGGCA GGTCAAGATCA TGTGTTGTCT
 126481 CAAAGGGCAT GAAGAGTAGA AAGCCTGGGA CAGATCCTGA GATGACCAAT ACCCATGGTG
 126541 CAGGGAGAGG GAGGGAGATC TGCTAAAAG ACTGCAAATG TCAGGATAGT AGAAAATCAT
 126601 GAGTGTGTGA TGTCTGGAA GTTGAGACAG TATCACATT GAGAACATT AAATTGGTAA
 126661 CTCTGACAAA AAGCTGGAGG CCAACTGTGA ATGCCCATGA GAGTGAGAAG CTCCCACACT
 126721 TTTGTGGCA TCAGAAAGCC CACCAGGTTG CTGCAGTGAA GATCTGAGAA GGATCCTCTT
 126781 GTGGCTTGG CAGGGAGAGA AGAATTATTA TGAAATACAC CCCAGAACCT TCTTCAAAAC
 126841 AAAGGCCTAC TCTCAAGGGG AAAACATTG GCCAGAGTCT TATCCCAGCT GGGAGAAGGT
 126901 AATTCTCCC ACTGCAGCCT CATCTAGGCT TTCTGTCTCA CTTAAGGGAA GAAAATTAGT
 126961 CAACAGGGAT CAGAGCTTCA TGAAAATAA TTGGAATATGG TGCAAGCCAGG AAAGGAGCAA
 127021 AGGTCTGAGG AGGAGGAGA GGAGGAAGAG GAGTTGTATC ATTATAAATA CTTGAGGAAG
 127081 AGGAGGAGA GGAGGAGGAG GAGGAGTTGT ATCATTATAA ACACCTGAGG AAGAGGAGGA
 127141 GGAGAAGGAG GAGGAGGAGT TGTATCATTAA TAAACACTTG AGGAAGAGGA GGAGGAGAAG
 127201 GAGGAGGAGG AGGAGTTGTA TCATTATAAA CACTTGTGAC GGTCCCAGCC CCAAGATATA
 127261 GGCATGCTAA TAAACTGAGG CTTAACACTT TGACTACAGA ATGCTGCTTC TCCCTAACAC
 127321 CATCAAGGCT CCAACTGAAT ACAATGAAT TATGAATGAA AGAGCTGTAA GGAGAGACAA
 127381 AAGTTAGAAT GAGACAAGTA TTGTTATCTA GAGATGCCAA GAAGGCAAGG AAGATAACTA
 127441 AAAAGGCACT CTGGATTAG AAATAGGAAG TCATTAGTGA CCTTGAAAT AATGGAGCCA
 127501 GAGGAATACC AAGGGCAGAA GCCTCACTAT AGTGTGTTGC ACCTGTCAGA GGTCAGGAGG
 127561 TGTAAGTGAC TCTCCCACAG TGTGGCTTTG GAAGAGAGAA GTCAGCAGCT GCATGGAGAT
 127621 TTGGGAGAGG GAAAGCTTTT TTTTTTTTT TTTAATTGGA AAAGACTGAG CTATGTGTA
 127681 ATAGAATAAG ACAGGAAGAG TGTAGACACA GAAAAGAGGG CAGACAAAAA CAAGTGCACA
 127741 GTTATCTAAG GGAAACAATG GGATCAAGCT GCAAGTATAT AAACCTGTCT TGATAGAAGA
 127801 ATCCTTGATC TGGTTTATTG AGTGTGTTGGT CCAAACCCAC ATCCCTGTTC TGCCTGTCTC
 127861 TGACTTGCTC TGTGCCAGG AAGCCCAGCT TCTACAGATA GCATTAGCTG GGCAGCCCTG
 127921 CCCTCTTGCA ACAGCTGGAT TTGGCCAGTG ATCAGCCAG CAGGAATGTA GATGGCAAAG
 127981 GAGAGAGAGG TTAGTGTACT TATTCCCTGC ATCACCCCCC TGCTTGGTGG GCAGCTCTC
 128041 CTCCACAGTC CCAGCTCTGG CCTAGCTCTG GTTACAGGTT CCCTCCCATT GCCTCTTCAG
 128101 ATTTAAAGGT GTGTCTGTCA GGGTATAACT GGGAGCTAGA AATTGCACTG AAATTGAACA
 128161 AAGAATTAA TGGAATGGT TGTAACTAG TTATAAGAGG ACTGAAAATG GAAAAGTGG
 128221 CAAACGTATC AGAGATAGTA ATGACAGAAA GCAACTACCA CCTCCAGGTT TAGGAGAAC
 128281 AGGAAAAGAT TCTTGAAGA GATCCCCAGA ACTGGGACCT CTGAGGAGTG TATGCTGGAC
 128341 CACTGATGAT GATATGTCTG TAGATAGAGG CATGATGAGG CTGATTTAG GAGCATGGAA
 128401 GATCTCCAA CTGAAGCCAA CTGCTGTTAC TGGATTCAAC TGCCACTGCC AGGTTGAAGA
 128461 ACCCATTCTG TGAGGATGTC AACAAACAAA GTGGGAAATC TTTTCACATC CTTCCAGGCC
 128521 TCTAGTCTTC CTCCAGTGCT TTCTATTGGT AGGGTTGGG GAGGTGGCTA GCAAAGCGGT
 128581 ATTGGAAAAG ATAGAAGAGA CTAATCTTC ATAACCAGCA CAGGGTGACA CTGGATCACT
 128641 ACTGTTGCTG ATCTTGGGCT GCCTCATATC CCCTGTTCTT CCCATTAGCC CTGTCACAAC
 128701 TTTGTAGATA TCCCTTCATT ATATGCCCTT CATATATTCT TTTGGTTAA CTTTTCTGT
 128761 TGGAATCTA ATATGGCACT CCTCCATTTC TCAGGACAA AAGAGTATAA AAGATTATCT
 128821 TTTACCAAAA AAAAGACAAA AACTGATCT AATTCTGTAT TTGATCATT CACAATCTAT
 128881 ACATGTATCA AAATATCACA TAGTACCCCA TAAATATATA CAACTGTGTC CATTAAAAT
 128941 AAAAATTAAA GAAAAGATGG TAAATATAGC TCTGTCAGGC AGTGGAGGTT TTACCAAGAT
 129001 GGCTGTTATT TCCCCCATGA AGGGGGAGT GAGGGAGCAG CTGAAAGTAG GTGCTTATAG
 129061 GGGTATAGAG GGGCTCAAAG CTTTGAGAGA GGAGAACGTC TGAAAGAGCT GCCAAATAGC
 129121 ATGCAGGTCC CATGGGGGCA GAGCCTCTGC TCATTCAACCA GTGCCCTTTC AATATCTACA
 129181 CTTAACGCTA ACACAAAGTG TGTGCTTAAT AAGTATTGTC TGAGTATGTA AAGTGGAAAC
 129241 AGAACCAATC TGGCAAACCT TGTAGGACTG GTGGGCAATG AAGATCAGTC AGGTAAAATC
 129301 TGTGGATATA AATTATATT GATCAAAAAA TTCAAGGTAA GGTGTTTTC TTCAGTCATG
 129361 CTCAACGATG CTTCAAGCCAT GCTCAACTCT TCTGTAGCCA CAGAAAAAAG TTTACCCATA
 129421 ATCGAGCTGT GTCTGTGTCT GAATAATGAA AAGACCATGA TGCAAGGGAG TTGGAGACAC

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129481 AGAAACAGTG TTTGAAGTAA TGGGTAATGG AAGCATGCTA CCAGGGAAAG GAAAGAAGTG
 129541 GCAATAGGAA GGAACAGAGA TCTGTGGTCC TATGTCCCCT GAGCATATTG ACATGTTAAA
 129601 GCTAATTCTAG TTTCAATCA TCATTAATAAAT TTTGTTCTA AATATATGGC CATTATTTTC
 129661 CACAACCACA CTAAAACCTT ATTACCTCTG GCAAGTGAAT ATGCAAGTAA CTAAGAGCAA
 129721 AAATATCCAC AACTACCATT TGAGCTATCA ATTAGGGAA AGTCATCTGG CTATAATCTA
 129781 AGTGACCCCT CACTGAATGT CAGTATCTT GCATATGTGA TTTAAATCTG GCCCTTCGCA
 129841 ACACCATGAA CTGTTCTGT CTTGAATATC CAGATTGAAG GAAATAATCT GAGTAGTTAC
 129901 GAGTCCTGAA GCTAGAAAGA TGAAACCCCC ATTGCTCAT CAGAAAGCCT TAGAGCTTGG
 129961 GCGCTGGCGG GTCTGTCTC ACCGGGACAG AGGGGCTCTT TCCTCCCCAT CTGATAGTCT
 130021 GATAACTAGA GAAGCCGGCC AACTTATTCT CCAAGAAGGA GCCATCTTAG TTCCCTCCTGA
 130081 AATGTTCTATA TTTAGAAATT ATTGTTGTC AGTAATTAA CCCCTTAATG GGCTTGCTT
 130141 GTGGTCCATA CCACTGAGTG CAGAGCTTGC CTGGAAAGAT TGTGAGGGCC ATTCCATCTT
 130201 CCAGGCAGTA GAGTTCACTA CTTCTTAAA ATTGCTGCTG AACTCTGTAT TTGAAAAGAA
 130261 AGAACATTT GGGTGTGGTA GCTCACACCT GTAATCCTAG CGCTTITGGGA GGCTGAGGTG
 130321 GGAGGATCAT TTGATGCCAG GAGGACCACT TGAGACCACC CTGGGTAACA TAGCAAGACC
 130381 CTGTCTTTAG AAAAAAAA TACAATAAAA TAAATACAAT AAAAATAAAA GCAAAAAGAA
 130441 AGAGTCCATC TTAGGGACAG ACTGTAACTA CTCACTGGAG CTTACCTTTA CATAGTTCA
 130501 GATCAATTAT AATAAAACAC TTTGTGCAG ATTCAATAGG ATTATTTAA TCCCCATCAT
 130561 CTCTCTGAGT TTCCAGTCAG TTTCTCTGCA TGTAGACACC CTTCTCCAGC CCACCATTTG
 130621 CTCTCCTCT ATAGCTCCAC CAACAAATCA GAACCTTTTC TAACTGCACC TAGTGCACCT
 130681 AGAGTCTACT CCAGAATGCT CATGGAGAAA GTTTCTGAAA GGTAAAACCTC TGAATGATAT
 130741 TTGTAGCTAA AGGGAGACTT GCTAGAGACA ATAAGCTAAT AGTTGTAGAC TTCAGTAGAA
 130801 GAGGAATGAC ACTGCAATGT CAGGGTGCAG GACTTCAAGA GGGCAGAGTA TGGAAACCCA
 130861 ATGGGAAAAA TGCTCACCAAG GAACATGAAG AGAAGGAATT ACGTGTAAGG ATTTCTCAAT
 130921 GTGTTCCCAA ATTGCCCCAG CAGAGGGAGG CCTCGGGTTG ATGGCAGGCT GACCACACAA
 130981 TAAAGAAGG CTGAACCTGG GGGCTTTAA CAACCATCGT GGGCTCTACT GTAAGCATT
 131041 AGAAAAAGAA AGTTATCCAT TCAAAATAT ATATATTTT AAACTTCAGA ACAAAATTAT
 131101 GAAGAGCTAT ATTACTTTT CTACATTCTA ATTTTATAA ATCTGAGTAT ATTTGCATA
 131161 TATTGTTATA GTACATATTTC AATTTGTAT TTTGCTGTTT TCACTTAACC ATTTTTACTA
 131221 GATTACTCTG TGTTCTATAAT AACACTTTT TTAAACCTTT TATTTTATT TATTTATT
 131281 TTTTTGAGT CAGAGTCACA CTCTGTCGCC CAGGCTGGAG TGAGCTGGCG TGATCTGGC
 131341 TTACTGCAAC TTCCACCTCC TGGATTCAAG CAGTTCTCCT GCCTTAGCCT CCTGAGCAGC
 131401 TGGGATTACA GGTGTGCACC ACCAAGCCCG GCTAATTTC GTATTTCAG TAAAGACGGG
 131461 GTTTCACCAT GTTGGTCAGG CTGGTCTCCA ACTCCTGACC TCATGATCTG CCCACCTTGG
 131521 CCTCCCAAAG TGCTGGGATA ATCACTTTT ATGCTGCATA ATTCTTCAGA TTTGTCAGTA
 131581 CGACTGTATT TACACTCATT TGTTTATAA GAAAGAATTG CAGAATATTT TGGCTGCCCT
 131641 AATTAATTTC ACAATTAAATA TGATTTGAA ATTGGGTATT GGCTCCTCT GAATTGGTTT
 131701 ATTTAAATAT ATTCTAATGT AATTTATGAC ATTTTCATCA TATTAGCATA TTTATTCTGT
 131761 TAGAATTTC TAATTTATAA AGCTACAAAC TGATGTGAT ATAGCTTGTAA ACTTTATCTC
 131821 ATAACCTTAT GCAGTTACAA GTAGAAATAA ATGTTCCCC TCAAGATTG TTAAATTTT
 131881 ATTATAAAACA AGTGTAAAAA ACAAAATCAC TAAACACCTC CCTCTTTTT CCCCCAAAAT
 131941 GCATGTTTCC ATTAAACAG AACCCGTATT TAATCAGCAG ATTTCTATGG TGGCTAGATT
 132001 TGTAGACTAA ATATTAAAAG TCCCAAAGCA AATGCATTTC TCTCTAAAT TTTACTGACT
 132061 TTTTTTTT TTCTTTCT GAGACGGAGT CTGCTCTGT CGCCCAGGCT GGAATGCAGT
 132121 GGCACAATCT CGGCTCACTG CAACCTCCGC CTCCCGGATT CACGCCATT TCCTGCCTCA
 132181 ACCTCCCGAG TAGCTGGGAC CACAGGCGCC CGCCACCACG CCCAGCTAAT TTTTGTTATT
 132241 TTTAGTAGAG ACAGGGTTTC ACCGTGTTAG CGGGATGGT CTCGATCTCC TGACCTCATG
 132301 ATCTGCCAC CTCAGCCTCC CAAAGTGCCTA GGATCACAGG CATGAGCCAC CGCGCCCCGC
 132361 CTACTGACTT TTATCAAAG AAAATATAAG AGCTCTTCAT CATAACGTAT GTTCTTGCT
 132421 CTTGTTATTA AATATGACAC ATTAGACTT AAACGTGATT GAAGGTTTAT GACATTGTTT
 132481 AAGTTATTAC ATAATTAAATT CATAAAAGATA ATGACTAGTT TGAACACTG ACAGCTCACA
 132541 CATCATCAGT TGAACAGCAG AAAGCTTACT AAGCTACTTT CTTATGTTTC TGTCTCCAG
 132601 CTACTAAAAG AAACGAAACC CTTCCAGGTG TTAAGGCAA ACCTTCCTCC CCCTTTCTTC
 132661 TATAAACTG ATTCCATGTT AGTGAATTT CTACTGATGG CTTTGGTTTC CTCTATAGTA

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132721 GAATAGAGAT CCTATGGCAA AAGTCATGTC TGACATGGTA GCAAATAGAA ATGGGGAAAA
 132781 GGAAGGCTG CAAGAGCCAA TGTGGAAAT GGGGAGAGGA CTGACTACAA AAACCCAGCA
 132841 GGAATTCCAG AAGAAAACTC CTCAGGACGG GCACATTGGC TCATGCCTGT AATCCCAGTA
 132901 CTTTGGGAGG CCGAGGTGGG CAGATCACTT GAGTCCAGGA GTTGAGACC AGCCTGGTCA
 132961 ACATGGCGAA ACCTCATCTC TACAAAAAAT AAAAATTT GTCAGGCGTG GTGGCATGCA
 133021 CCTGTAGTCC CAGCTACTCA AGAGACTTAA GTGGGAGAAT CACTCGAGCC TTGGAGGTGG
 133081 AGGTTGGTGA GCCGAGATCA CGCCACTGCA TTCCAGCCTG GGCGACAAAG TGAGACGCCA
 133141 TCTCAATCAA TCAGTCTCCT CGAAAAGCAA CATTATGGAG AGACAGGATT CCGTCAAGGC
 133201 CTGGGGCACA CAGGAAAATA TTAAGGCAGA AGAGAGTTTC CTCCCCACAC CACACCGTAT
 133261 CCCACAGGCA CTGGGGATGT GCATATGCAA GAGGGGTTGA TCCTAAGAAT TTAGAGTCAC
 133321 AGAGGAGGAG GCACCAAGCA GACTGTGGAG AAAGTCATGA CCAGAAAGGG ACAGAATGTA
 133381 AAGCTTCAGC TGATTATCTG GCCTCAGGGA TTCCAGAGGA ACTGGTCCC AATGGTCTCCT
 133441 GGTGATGTAG GTTCTTAGGT TTCTTTACA GGGGTTTCT GGGAGATCGT TGACCCAGTT
 133501 AGCATTCAGA CAACTTCCAC CCTGCACCTT TATTCCTTCC CCTTCACCTG CTTAGGTTTT
 133561 ATCTGTCCAG GAAATAATAA TAAAATTATT GAGCCCTGGA CATGTACCTG TAAAGCTCCT
 133621 TAAAGATGAT GCCTTCTAAC TCCTCATTCA ACAGATACAA AAACATTACA ATAAAATGAC
 133681 TCATGCAAGA CACCCAGGTA GTTTATAGCA GCTAATAAAA ACAGAATAAC TATAAAATAT
 133741 GGTAAGTTA TAAAAGTTAC ATTGAGTATA CTTTATAAGA ACTGCTTATT GAGTTTGCCT
 133801 AATAACCACA CAGCACAATA ATAATATGTA TATATTTTA AATATGTGTA AATATGTGTA
 133861 ACACAAACTT GTAGAAGGTA TATCTGAGTA CAACCCATT CTGTTGGTT ACCTTTCTA
 133921 GTTCATTATG TAAGTGGCAT AGCTACCTAA GGACTTATGC TTATAAATGT TACTCAAAAAA
 133981 AATACAGAGG ACATATGTGG ATAGATAATG GAAGAGATAA GATAGGTAGG TTGAAGGGTT
 134041 GGGCTGCCCT TCCACACCTG TGGTTGTTTC TCGTTAGGTG GAATGAGAGA CTGGAAAAG
 134101 AAAGAGACAC AGAGACAAAG TATAGAGAAA GAAAAAAAGG GGTCCAGGGG ACCGGTGTTC
 134161 AGCATAAGGA GGATCCCACC GGCCTCTGAG TTCCCTTAGT ATTTATTGAT CATTATTGGG
 134221 TGTTCTCGG AGAGGGGGAT GTGGCAGGGT CAAAGGATAA TAGTGGAGAG AAGGTCAGCA
 134281 GGTAACACG TGAACAAAGG TCTCTGCATC ATAAAACAAGG TAAAGAATTA AGTGCTGTGC
 134341 TTTAGATATG CATAACACATA AACATCTAA TGACTTGAAG ACCAGTATTG CTGCCAGCAT
 134401 GTCCCACCTC CAGCCCTAAG GCAGTTTCC CCTATCTCAG TAGATGGAAT ATACAATCGG
 134461 GTTTTACACT GAGACATTCC ATTGCCACAG GACGAGCAGG AGACAGATGC CTCCTCTTG
 134521 TCTCAACTGC AAAGAGGCGT TCCTTCCCTCT TTTACTAATC CTCCTCAGCA CAGACCCTTT
 134581 ACGGGTGTCG GGCTGGGGGA CGGTCAAGGTC TTCCCTTCC CACGAGGCCA CATTTCAGAC
 134641 TATCACATGG GGAGAAACCT TGGACAATAC CTGGTTTCC TAGGCAGAGG TCCCTGTGGC
 134701 CTTCCTCACT GTTTTGTGTC CCTGAGTACT TGAGATTAGG GAGTGGAGAT GACTCTTAAC
 134761 GAGCATGCTG CCTCAAGCA TTTCTTTAAC AAACACATC TTGCACAGCC CTTAACATCCAT
 134821 TTAACCCCTGA GTTGACACAG CATATGTCTC AGGGAGCACA GGGTTGGGGC TAGGGTTAGA
 134881 TTAACACGGCAT CTCAAGGCAG AAGAATTTTT CTTAGTACAG AACAAATGG AGTCTCCTAT
 134941 GTCTACTTCT TTCTACACAG ACACAGTAAC AATGTGATCT CTCTCTCTT TCCCCACAGG
 135001 AGGTGATGGC CGGAAGAACCA TGGCAGAGGG CAAAACAAA CAGCATTGGG ACAAAGCTCT
 135061 GTTTAAAAGG AGACTTGTGA ACAGCAAAGA GTAGAAAGGG TTCTCTTACA ACTGAAGCCC
 135121 ATGGAAGACA AATGTGTACT GCGTGAGTTT TAAGGCAATA GGAGTAGTGG GACCTAGGGC
 135181 ACACCAGAGA GCATATTAAC TCTCAAACCTT TTAAAAACAT TATATCTGCT GGACACAGTG
 135241 GCTCACACCT TAATCCTACA ACTTTGGGAG GCCGAGGCCG GCGGGTGTAG CTTGAGGCCA
 135301 GGAGTTCGAG ACCAACCTGG GCAACATGGC AAAATCCGT CCCTACAAAAA CAAACAAACA
 135361 AAAAACAAAAA TTAGCCAGGC ACGGTGATGC GTACCTGTGG TCCCAGCTAC TCAGAGGCTG
 135421 AGGTGGGAGG ATCGCTTGAG CCCCGGGAGG TTAAGGCTGC AGTGAGCCAT GATAATGCCA
 135481 CTGCATCTCA GCCTGGGCAA CAGAGGGAGA ACCTGTCTCA AAACAAAAAC AAAAACACAC
 135541 CATAACCAAC CACAATGCAT CTGTCTTAAG TACCACTTAC ACACCCCTCT ACTCACTACT
 135601 AAATAGGTGA GTTCCAATC CCTGGTAGCA GTTAAAGCA TGTTATATTA AAGGTCTTAG
 135661 GCTAGTGAAT CATTCACTCA TTAAACAAAT ACTTATTGTG CATCTACTAT AACTAAGTA
 135721 CTGTGCTAGG TACAAAAGCA AATAATCTAA GCTCTATAAA CTTTACTTTTC TTCATCAACA
 135781 AAATGGAGAT GTTTTAGGCA TCTACTCATC ATTCTGAGCT CCATCTTTG TGACTGTAGT
 135841 TGGCAGAGCT TTTTATCAGT TTCTCTAAAT AGCTCTACCA GTCCCTGGTG GATGCTGGCA
 135901 TGCCCCAAAGG ATCCATCCTG ATGGCCCTGT CTGCTTACCT TACCTGCCTG CCTTTGCAGC

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135961 ACCGCTCTGC TCTCTGCAG GACTTCCCTT ATCCTTTGGG GTCTGCTGC TCTTAGGCTG
 136021 CTCTGCTTGT TTTGATCTGC TTTGCATCAC ATGTATGTAA AGGTCCCTTC CTTATTAC
 136081 CATGACCAAG GTATTATGAG ATTCTGAAT TTCCCCAAC CACATTGATT GCTGGGAGAA
 136141 TAGAAGAAGT GGATTACAAG TGGAACTTAG AAGGGGAGTA TTCGAGAAGA CGTCTCTGCA
 136201 AATCCATTTA GAGAGACCTT TCTCCAGTGG TGACTCAAAG ATGCAGCTCC TTTCATCCTG
 136261 TGGCTGGCC ATCTTCAGCA CATGGCTCCC AAGGATGTCC TCAGGATGGT CTCTAATCCA
 136321 AGGAGCCTGA AGAGAAAAAA AGGCATGGAG TATTGTGAGT GGTAGGTGGT TATGGACCAG
 136381 TTATGGAAGA ATACACATCA CTTTGCCCA CCTTCTACTA ACCAGAACTC ACACAGCCAT
 136441 AGACACTGAC AAGTAGGACT TAACAGAAAT CTAATTTGA GTCTAGGAAT ACGACTGTAG
 136501 CAAATATTTA ACAGCTTCAA ACACAGGTGC ATTGCTATCA CTATGCTTGG CCCAGGCCTG
 136561 TCTCCCTTTC CTGCCATGTC ACAGGGCCA GCATTTATGT CTAGATTGGG TTGGTTGGGA
 136621 TATTAAGACA ATAATGAACC AATACAACAT CTTGAGCATA AAACCAACTG ATACAATGAT
 136681 GTACAAGTCA GATGATTCTG ATGATTATGA ATTATGTCAA TAAAAGAAAT GTGATAACTA
 136741 AGGTAACTTT TGTTTGGCA AATTTTGTT TGTTCATGAC AGGATGAAAT CCTGTCAATT
 136801 GTAGCAACAT GGATGGAATT GCAGGATACT ACATTAAGTG AAATAAGCCA GAAACAGAAA
 136861 GTTAAACACC ACATGTTCTC ACTTATATGC AGAAGCTAGC TAACTAAGTA ATAAGTTA
 136921 TCTCATTGAA GTAAAAAGTA CAACAGAGAT TACTAGAGGC TGGGAATGGT AGGGGAAAGA
 136981 GATGATAAAG AGAGATTGCT TAAAATAAGT TACAGCTAGA TAAGAGCAAT CAGTTCTAGT
 137041 GTTCTATTTG TACTACAGAA TGGCAATAGT TAACAGTAAT AAATAATTTC AAAGAGCTAG
 137101 AAAAGAGGAC ATTGAATGTT TCCAACACAA AGAAATGAGA AATGCTTGAA ATAATGGATA
 137161 TTCTAATTAA TTACCTGTAT CTGATCACTA TACACAGTAT GTATAAAAAT AACACTATGG
 137221 GCTGGGCGCA GTGGCTCACA CCTGTAATCC CAGCACTTTG GGAGGCCAAG GTAAGCAGAT
 137281 CACTTGAGGT CAGGAGTTAG AGACCAGTCT GGCCAAACATA GTGAAACTCC ATCCCTACTA
 137341 AAAATACAAA AATCAGCCAG GCGTGGTGGC ATGTGCCTGT AATCCCAGCT ACTCAGGAGG
 137401 CTGAGGCCAAG AGAATTGCTT GAACCCAGGA GCGGGAGGTT GCAGTGAGCC GAAATCGCC
 137461 CACTGCACTC CAGCCTGGGT AACAGAGCAA GGCTCTGTTT CAAAATAAA TAAATACATA
 137521 AATAAAATATT TTTAAAAAAA AGAACATCAC TATGCACCCC ATATATACAT ATAATTATTA
 137581 TGTCAATTG AAACATAATT TTGAAAAATG AAAAAATGAA ACACAAATAT GAATCAATCC
 137641 TCTCCAAGTT GATATACTTA AAAGGAAAAA AGTCCGAGGG CTTAAACTAT TCAATCAAA
 137701 TTTTATTAAA ATGCTATAGT AATCTGGAAA GTATTCAGA ATGAATTGGT ATAAGGTTAG
 137761 ACACAAAGAT CAGTGAAACA AAACAGAGAA CCCAGAAATA GATTACACACA TCTATGGACA
 137821 ACTGGTTTG ACAAAAGGTGT CAAGGCTATT TAATAAGTAA AAAAATCGTC TTTTCAGTAA
 137881 ATGTTCTTG AACAAAGTAGA CATCCGGTGT GGGGGAGAGG AGCAGGAGCC TTACCTCAA
 137941 CTTTATGCAA AAATTAACTC AAAATAGACC ATAGACTTAA ATGTAAGGAGC TAAAATTATA
 138001 AAACTTCTTT AAAAAATAGG AGAAAATCAT CAACACCTA GGATTAGCAA AGATTTCTTT
 138061 AAAACAAAAC AACAGGTTA TAGTTATAA AACATAAATA ACAAAATGAT AAATTCATC
 138121 AAAAGTAAAA ATTGCTTTT CAAAAAACAT TATAAAATGA AAAGCAGGAG GCTGAGGCAT
 138181 GAGAATCACT GGAACCCGGG AGCTACAGGT TGCACTGAGC CAAGATGGTG CCACTCAC
 138241 CCAGCCTGGG TGACAAAGTG AGACTCTTCC TAAAAAATAA ATAATAAAAT AAATAAATAG
 138301 AAAAGAAAAA GAAAATCAC AGGCTGAGAG AAAATATTAA TAATACATGT ATCTGACAAA
 138361 GGACTCGCAC CTGGAAAATA TAAGGAACCT TATAACTTAG TAAGATGACA AGCCAAAACA
 138421 AAGAGTAAAA GTTTCAACA GACATTTCAC AAAAGAAAAC ATACAAATGG CCAGTATGCA
 138481 CATGAAAAGA TTTAAACAT CATTAGTTAC TAGGGAAATG CAACTCAAA CCACAATGAG
 138541 ATACTTCACA TTCAACAGAA TAGCTAATGT TAAAAGGACT GACAATCCCC AGGGTGAGCA
 138601 AGGGTGTGGA GGAAAACTACT CTCATATATT GTGAATGTAA GAGGACAATG TTACAACATC
 138661 TTTGAAAAAA GTTGGCTGT TTCTAACATA AAATTAAACA CTTATACAGC CCAGCAATAT
 138721 TTCTGGGTCA TTTCTCCCAG ATAAATGAAC ACATGTCCAT ACTATGACAT GTACAAATGT
 138781 TCATACTGGC TTTGTTTCAC AATGCTATAA ACTGGAAACA ACCCACGTGT CCATCAACAG
 138841 GTGAATGGGT AAATAAATTG TAATATATCG GCCAGACGCA GTGGTTCATG CCTGTAATCC
 138901 CAGAACTTTG GGAGGCCAAG ATGTACGGAT CACCTGAGAT CAGGAGTTG AGACCAGCCC
 138961 ATCCAACATG GTGAAACCCC ATCTCTACTA AAAAATTAGC TGGGCATGGT CACGGGGCGCC
 139021 TGTAATCCCA GCTACTCGGA AGGCTGAGGC AAGAGAATCA CTTGAACCGA AGAGGCAGGAG
 139081 GTTGCAGTGA GCCAAGACCA TGCCATTGCA CTTCAGCCTG GGCAACAAGA TGGAAACTCC
 139141 ATCTCAAAAAA AAAAAAAAT TGCAATATAT CTATATCTTG GAATATTATA AAGCAATAAA

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139201 AGGGAATAAA CTACTGATAT ATACACAAAA TGGATGAATC TCAAAAATGT GAAGGAAAAT
 139261 AAAAAATACA TATGATATAA ATTCCATTCA TATGAAATTT TAGGAATGGG AAAACTAAC
 139321 TGTAATTATG GAAAGTACAT CAGTGGCTGC CTGGGGCAA GAGGATGGAA GAGGCAGGC
 139381 AGGTGATACT ACAAAATGGAA ACTATCTAGG TTGACGGAAG TGTTCTGTAA CTTGATTACA
 139441 GTAGTAACGT TTTGGGTATA TAAACGCAT CAAATTGTAT AATTAATACA GGTGTATT
 139501 ACTGTGTATA AATTATTCCT CAATAAAGTT GATTTTCAT TAAATATATT ATTTGCTAA
 139561 ATGAGGAGAG ACAACTATTA TCTTAAAATA GTTAAGCACA ATAAAAATAC TACAATCAAC
 139621 TCATTATATA TGAAATTTAA AGGAGAAAAA TAGTGGTATG ATTAATTAAA ATAAAAAGAA
 139681 AACCTTCTAA ATTTTATCTT AGCTCATAGT TGAAAAGCT GCCATCCCTA ACCAAGGCC
 139741 CCCTTGACCC TTTCTCATGT TCCATCTTC TGTTGTTTC ATAGTTATG TCTCACCAAA
 139801 ATCTATCAGA TAAACGTATT CATATGAAGA TTTAAATATA TTACATGTTA AGCCTTAGCG
 139861 AATACTTCAA TATCTAAAGA AGGTACAAAC AAAACAAAAA TCAACACTTA GTTATAAGAG
 139921 ATTACATACT CTCCAGGGAA GACCTGAAGA CTAGCCCCCT TCTGGATCCC ACTAGCCCC
 139981 CATCCCACCTC CAAGCCCTCC CCTCCAATCC CATATGCACT GGGCATTCTAC ACAAATAAGA
 140041 CCATCAGCTC TGGATATCTG TACTGATTGA TGCTCCTGCT AACTACCTGA ATGATTGCGA
 140101 TGTAAGGACA GCACTGCCGT AATCCTATTT ATCTCTCGCT ATGCCATAGC GGCTTCCAT
 140161 GCTGATGGCG TGTTTGAGGA TCCAGAGGGG TCTTGGTTG GCAGGATTGT TTTATTTCCC
 140221 CAAGAGGAGA GCCTTGATGC AAAAATAGGT GAAGAAATCA GTACAACAAA ACAGAAAGCC
 140281 TAGAAACTAC TATGAACACA ATAGAGCAGA ACTAGCCTTA AGAGTTGGTG GAGAAAGGAT
 140341 GGTCTATTCA ATTACCTGGG CTGAGAAACT GGCTTCTATA TGGAATAAAA ATAAAATTAT
 140401 AGCTATACCC CATATCATAAC ACAAAAGTTT CTACATCTAA CAAAGACACA GATAGAAAAT
 140461 GTTTTAAAT TTTAGAAGAA AATAGTCAG AATTTTAGTG CAGAATTCT TAGACTAGAT
 140521 GCAAAACAA AAATGATTAA AGTGGCCAGG CACGGTGGCT TATGCTGTATCTCAGCAC
 140581 TCTGGGAGGC CGAGGTAGGT GGATTAGTGG AGGTCTGAT TTCGAGACCA GCCTGGACAA
 140641 CATAGTAAAA CCCCATCTCT ACTAAAATAC AAAAATGGT AGGGTGTGGT GGCTCACGCT
 140701 TTTAATCCA GCTACTTGGG AGTCTGAGGC AGGAGAAATCA CTTGAACCTG GGAGGCAGAG
 140761 GTTGCAGTGA GGGGAGATGG CGCCACTGCA CTCCAGCCTG AGCAACACAG CGAGACTCTG
 140821 TCTCAAAAAA ATCTAAAAAT AAAAAGATTA TTTTAAAG ACTATTTAA ACAAAAAAAA
 140881 TCGTTTAAAT GATATGACAC ACTACATCTA ATATTTGAA AAGTACTTCT TAATACTTT
 140941 AATAAAAAGA GGCCTGAGA GCATACAACC TATCCTCAGA AGAGTGTGTTG ACCTCTAGGA
 141001 GGGACGCAAG CGCGTTCTTC CTTCATTAA ACTGGTCATT TTCATTATT TCAGGAACAT
 141061 CTGAAGTAAA CACAGTCACA CGTTAACCTT TAAAATCTA GGAGGTGCGT ACGCATAGTT
 141121 CCATTACTTC AATTTTGTA CTTTGCTATT TAAAATATC ACAGGGAAAGC TCGGTACAGC
 141181 TTCAAGGCTA GGAGGGGTGG CTCTCTTTA AGCCCTGTCC CCGCCAGCCC CAGACCTCTC
 141241 GTCCCGCCCC CATTGCCAG TCCCCACCCCT CACTTCCCCA TTTCCCCACT CCCGCGGTCT
 141301 CTTAACGCAC CTCGTTTTTC GTCCAGTGGA CTCAGACCTG TAGTCTTCCA CCAGGATCGG
 141361 CTCCTTCCC GGAGCTCTCG CTCTTAGAGG AAATTGAGAG AAGCATCAGC GGAGACCCAT
 141421 CTGTGGCTCT CCAGAGGGCG CGGCATTTCAG ACCCCAGATC CAGCTGTGAG AACGGACCCC
 141481 AGGCTCACAC CAGGCCTGCG GGAGGCGGCC CACCAGAGGC GCTAGAAAAC AAGCCTCGCG
 141541 GGGAGGCCCG CAGGGCGACT GCAAGCTGTA GGGGGCGCTG GCGCCCTCAC AGGCCAGGGG
 141601 CAGGGCCGGC GCTGCGGGCG GGGCTCTGC GCGGTGAGGG GCGGCCAGGCC CAGCAGCAGCT
 141661 GCGCCCTGGC TGGGAGCCGG GGAGCATTG CTGCTCTGCT GGACCTGAG TCTGGCGGCC
 141721 GCGGGCTCC TCTCGCTCC CGGCCGCCCA TCCCCCAACT CCCGATCTCT CTGCTCGTC
 141781 TGGCCTCAGG CTGAGACCCC AACGAATCAT TCCCCGCATG GGAACATTG ATGATATAAC
 141841 TGAATTCACT TTTATGTATA ACTGAATTAC GGATATGAGA ATCTCAAATG AGGACGAATG
 141901 GTTTTACGC ACAAAACATG AGACACAAAT CTGTAAGAAA TATAAAGTCG TGACCACGTC
 141961 CTTTCAGAAC TTTAACCTGT TTGCTGAAGT ACGTCAGTAA CAATGGCAGG GAAAGGGTAT
 142021 CTTAAATTTC ACCACAGCCT CAAAGAGGCC ATTTCGTGGA TCCGCTGAGG CTTGGAGTCG
 142081 GCCTTCTGAC CACGAGTCCT GCGGCTATGA AAGAGGAAGC CGCGGTTCTAG GGCCTCCTCG
 142141 CGAGTCGTGC AGCCCGCCCT GCTCCAGCTG GGGACACCGGG TGGTCACGGC GCTTTCCAGC
 142201 TGCAGATCCA GGCGGCAGCC CAAGATTGG TCCAGCCGCC AAGGGGTGGC TCGAGTGACT
 142261 GACGGGCCTT GAACGCTCCC AGGACCCACA TCTGGAGAGG GAGGTGGGGG TGGGGTGCTG
 142321 AAGTCATTCT TGGGGCCCTT GGGGGCGGGC ATGGACCTGG GTAAGGCCAG AGAAATTGAC
 142381 ACCTCGTGAC ATCCCTGGAA GAGAAGTACG TTCAGTGTCA CTCCAGAGCT GAAACCGCCT

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142441 TCTGGCTGGT CCCTCCTCAC CTACATACTT TTCTAATTG TCTGGAGCAG GCCGGGCATC
 142501 TGTATTATCT GGTATTAA ATATCTGGTT ATTAAAAGC TCTCCATTAA ATTCACATAC
 142561 ACGAAAATAA AAATTAAAAA AAATTTAAA AAAAGAAC AAAAGCTCTC TAATGACCAA
 142621 GTCCTACACG ATAGTGAATA AATTTTTG TGTGGTCCCT AAAATGAGT TCATGCCCTT
 142681 TCTGAAGTAA TAGACGCCA GAGAAGGGAT CGACTTACCC ATCATGCCAC AGAGATTAAT
 142741 TGGCCCCAGA ATTCTTAGC AGACCGTGA TATGAACGTC CTTTCAATC ATATAAATA
 142801 ACTGGGAAAA CCTCATTAG TATGTTACAT GCCTAGCGTT TTGTGCCTGA ACACCTTACA
 142861 AGAACCAAGG ACTATTGCCA CAATATTATA TTTCAGGAAA GGAAGGCCA GACAAATGGT
 142921 GTCACTGGTC CACTTCACC CAGTTGGTAA ATGAAACAG AAATTATAGC TGTACCACAG
 142981 AAAGGTGAAA ACGTTCTTT TATAATTCA CATACAATCT TTAATGGACC CAGTGTCAA
 143041 CACATTAAAG CAAGTGCTCA GGAGTGACAT CAAGATGTAA AAAATAGTCC TGTCCCTCAGG
 143101 GAGTTTAGGT CTTGGAGAAA AGAGACCCAA GGAGACACAA GACAAAGGGG AAAGAGAAGG
 143161 AGCGCTGAAG ACTGAGGACC CTGCCTGTGG ACTGAAGTGA GGATGGGAC ACCCGATGCC
 143221 CGGAATATGA CAGTTGGAG GGGCCTGAAG GACTCTTCTA TTCTCTATCA GAAAAACAGA
 143281 ATTACTCTCC TAACCAGAAA AGGTATTCA ATTATATTATT TCCATCACAG CACTTTCTG
 143341 GTGATAATT AATGTGTTT AAAAAATGTA TCACAGTGT GGCCTGGTGT GAAATAAATA
 143401 ATAAAATT AAGAATTAAA AAATATAAAA ATCTTTATA TAGACATTAG GAGTTACAAG
 143461 GATAACTGTG AATTATAATT AGTAATTAAA TTGAAATACT GATTATTTTC ATTTTTATT
 143521 AATTATTAA TAAAACCTAT TTAACATTAA ATATTTATCA GTAATTAAAT CTAATTGTTA
 143581 ATATTTATTA TTATAAATTAA TTCTAGAATT AAAATAAGT GTAGAAGCGA GGCATGGTGG
 143641 CTCAAGCCTG TAATCCCAAC ACTTTGGGAG GCTAAGGTGG GAGGATTGCT TGAGCCCAGT
 143701 AGTTCAAGAC CAGCCTGGGC AACATGGAGA AACCTGTCT CAATACAAAA AAATGAGCCA
 143761 TGTGTGGTGG TCGCGCCTG TAGTCCAGC CATTCTGGAG GCTGAGGTGG GAGGATGACT
 143821 TGAGCCTAGG CAGTCAGGC TGCACTGAGC CCTGATCTTG CCACTGCAC CCAGTCTGGG
 143881 CAACAGAGCA AGACCCTGTG TCAATATACA TATGGACAA CTTAAAATT AAAATGAAAG
 143941 CATACTACTG ATACAGAATT GAGTAGAGAT GCAAAGCTAG TCCTATAACC AGAACAAATAA
 144001 AGATAAAAAG GAGACTGGAA GAAGGTATGT CATGAATTTC ATGATAAATG GCAATTGCAA
 144061 ATATCCTGTA GCAGAACAAA ACAACAAAAC TGAGATAAA ACATATCCAA CCCTTGGAA
 144121 GGCCAAGGAG GGAGGATTGT TTGAGCCCAG AAGTTGGAGA CCAGCCTGGG CAACATAGTG
 144181 AGACCCTGTA TCTAAAAGG AAGAAAGAAA AAAAAAAAAA GGATGATAAA GTAGACAATA
 144241 TTGAAAGCCA TTTCTGCAA ATACATAGT AATTTGATCA GTAATTTC TCCAACAGTG
 144301 CAAAATGAA TAGATATTAG TTGCCTGAAA TAAAATCAA ATATCCAACA AAAATATTG
 144361 ACTATCTAAT AGTATCTAAG CTAGTAAATT TGCCAGTTA TAAAATGTC TAAATTTTA
 144421 TTTAAAAAAA GAAAACCATA TTTATAAGAA GAGGTGATAA AGAGAAATTA TTTCAGTTAT
 144481 GAAGATTGTG TTAGAAAACT ATGAGAAAAA AACTATTTTT TGTTTCAAA AAGTGAAGA
 144541 TTAAGTTACC AACAGTTGC TAAAGAATAC CAGATGGCTG AGCGTGGTGA CTTATGCCCTG
 144601 TAATCCCAGT ACTTTGGAAG GCCAAGGCAG GAGGATCATT TTAGGCCTGG AGTCGAGAC
 144661 CAGCCTGGGC ACTGTAGCAA GACCCGCTC TATTAACAAA AAAAAAAAAA AAAAAAAAGA
 144721 ATACAAGACC TTGCTAACAA TAGCAAAGAT CAATTAATTC AAAATTGAA AACTGTAAT
 144781 TTATTTAGCT TTAGAGTACT CTCGTGATAT GAGATTGCCA AATTAATACT TTGGGTGCAT
 144841 TTCTTTCTC AAAGGACTTG CAAATTACA AAGAAGTGT GAAAGAAAAGC CACACATTGG
 144901 CAGGTAATGT TTGCAAAAGA CAGATCTGT GAAAGAACAT ATTTTAGAA TATACAAAGA
 144961 ATACTAAAAA CTCAACAGTA AGAAAATAAC CTGATTTAAA GCAGGCCAAT GACCTGAACA
 145021 TCTGTTCAAC AAAGAAGATA CACAGATGCA AGTATGCATA TGAAAAGATG CTTGACATCA
 145081 TGTCATTAGG GAACTGCAA TTAAAACAAG TAGATACCAC TGCATACCTA GTAGAATGAC
 145141 CAAAATTAG AACACTGTCA GCACCAAAGG TTGCAAAGAT ATGTAGCAAT AGTAACCTGT
 145201 TCATTACTGG TGAGAACATGCA AAATGTGCAA TCACTTTGGA AGACAGTTG GTGGTTCTT
 145261 ACAAAGTAA CCATACTTT ACCATAAGAT TCACCAATCA CACTCCTTAG TATTTATCCA
 145321 AGGAATTGA AAACCTTATCT CCACACAAAA ACCTGCACAT AGATGTTTAT AGCAGCTTTA
 145381 TTCATAATT ATCCAAAATCT TGGAAACAAG ATGTCTTCA GTAGGTAAGT GGATAACTGT
 145441 GGTACTTCTG AATAATGGAA TGTTATTAG AGTTAAAAG AAATGCATTC ACTTTGGGAG
 145501 GCGGAAGTGG GTGGATTGCT TGAGGCCAGG AGTTTGAGAC CAGCCTGGTC AACATGGGAA
 145561 AACCCCAATT AGCCGGCAT AGTGGCGTGA GCCTGTAATC CCAGCTACTC GGGAGGCTGA
 145621 GATATGAGAA TCGTTGAAC CTGGGAGATG GAGGTTGCAG TGAGCCAGTG CCACTGCAC

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145681 TCAGCCTGGG CAACAGAGCA AGACTCCTCT GTCTAAAAAA AAAAAAAA AAGAAAGAAA
 145741 AGAAAAAAGA AAAAGAAAAA GAAAAGAAC GATCAAGCCA TGAAAACACA TGAAGGAAAC
 145801 TTAAATGTAT GTTACTAAAA AGCCAACCTG AAAAGACTGC ATACTATATG ACTCCAAC TG
 145861 ATGCAGGGCA AGCAAGCCAA AAATTAGGGC TTAGCCCGGG AAGAATTCAA GGGTGAAGTG
 145921 GTGGTGTAG CAACTTTAC TGAAGCAGCA GTGTACAACA GCAGAACAGG TACTGCTCCT
 145981 TGCTGAGCAG GGCTAACCCA TAAGTAATGT GCCCAGAGTA GCAGCTCAGG GGCAGTTCTG
 146041 CAGTAATATA CCTGCTTTA GTTAAGTGCA TGTAAAGGGG GATTATGCAG AAATTTCAG
 146101 AAAAAGAGTG GTAACTCGG AGTAGGTACA GAGGAAAGAA GTCGATAATG TCCTGTTGTT
 146161 GCCATGGCAA CGAAAAACTG ACATGGCGCT GGTGGCGTG TCTTATGGAG AGGTGCTTTA
 146221 ACCTCGTCCC TGTTTCGGCT AGTCTCAAT CTGGTCCGGA GTAAAGTCCC TGCCTCCGGA
 146281 GTTCACTCCT GCTCCTGCT TCACAACGT ATGACACTCT AGAAAAGACA GTAACATATGG
 146341 ACACAGTCAA AAGATTAGTT GATAGAAATT GGGTGACAGG AAGTGTGAA AAGGCAGAAC
 146401 ACAGGATTT TAGGGCAGTG AAACTTCTGT GATACTATAA TGGTGAATAC ATGACATTAT
 146461 ACATTTGTCA AAACCCATAG AAAGCACAAC ACCAAGAATA AACCTTAATG TAAATTACAG
 146521 ACTTTCTTG ATAATGACGT GTCAATGTAA GTTCAATTGT AATAATGTA CTACTGTTGGT
 146581 GCTGGATGTC TATGGTGGGG GGACATTGTT GCTTCAATAG TTACAGTTGA AGTAAATGTT
 146641 TGTGTTTCCC ACAATGCATA TGTAGAAACT CTCACATTCA ATGTGATGGT CTTTGGAGGT
 146701 GGGCTTTTG GGTGATAGTT AGGTTAGTT GAGATCCTAG CAGATCGAGT CTTCATGATG
 146761 GGCATGATGG GACTGGTCCC TTATAAGAAA AGACCAGAAA GCTAGCTCTC TCTTTGCCAT
 146821 GTGAAGACAT AGCAGGAAGG TAGCCATCTG CAAGCTAGGA AAGGGCCTTC ACAAAGAAC
 146881 AACTCAGACC TCAGAACAGT GAGAGATAAA TTGTCGTTGT TTAAGTCACT CAGGCTGTGG
 146941 TATTTGTTT CAGCAGCCCA ACCTAAGACT GTTAATTGGA TTAGAAATT CTTTTGGGG
 147001 ATGGTGTGTG GCGGGCGGGG GGCAGGGAGT ACCTTTGTTA AGCTTTTATA TCAATGAGTT
 147061 TGTAGGCTTT TCTTTTTGG TCATTGACTA GGACAGTTA AATAGTATGA GTGTGAAGGA
 147121 GATTGTTGGT CATCTATTG ATGTCCTTC TCTGTTTTT AATATGAGAA CTCCTGATT
 147181 TCAGCCAAC ACCCTGGAAA AAAAGCTAAT CTTCTGACT TCTTAAGTGT GCCCATGTAC
 147241 TAAATTCTGG CTAATGCAAG GCAAGCCAA GGTGTTATGA TAGGTTTAG GACACTAGAG
 147301 TAAAAGAGAG CTGTTGCACA CATGCTCTTC ACCCTACTTT TGTGTCCTTT TTTCCATCCT
 147361 ACAACTTGGG TTGTGAGTAT GATGGCTGGA ACTTTAGTGG CTCTCTTGGA TCCCAGGGGT
 147421 AATTGAGGGG TGGCTGGAAG GAATCTGTGA TTTCTGGAG TTTCCATACA CAAACAAGAC
 147481 CTGGATTTC TGGGCTTCCC AGACTTCCAC ATCTAGACTT GCTTTAAATG GGAGATAAA
 147541 AAACTGTTT CAGCCACTGT CATTGGGC TATTTATAG AACTTAATCT AATCTTCAAG
 147601 GGTACATGAA TTGCTTTCC TTAAAAAAA AATCAGCCAT AAAATCATCT TCTTTTTCT
 147661 TTTGTTCCCC ACATTATTTA GTGGAGCTC TGTAACTTTT TTTTTTTTT TTTTGAGAC
 147721 AAGGTCTGCACTT TCTGTCACTT AGGCTGGAAT TCAGTGGCAT GACCATGGCT CACTGCAGCC
 147781 TTGCCCTCCT AGGCTCAAGC AATCCTCGTC TCAGCCTCCT GAGTAGCTGA AACTAAGGCA
 147841 CATGCCACCA TGCCCAGCTA ATTTCTTTC TTTTAGAGAT GGGAGCCTTG CCCAGGCTAG
 147901 TCTCAAACTC CTAGCCTCAA GTGATCCTCC CATCTCAGCC TCCCAAAGTG ACAGGATTAC
 147961 AGGTGTGAGC CACCATGCCT GGCTGCTCTG TAAGTGTCTG AATTTCATTT TGTATTATC
 148021 AGTCTGTTA GATTTCTT CCCTTCTTGG GTCAAGTTAGG CCATTGGTTT CTTTTAAAG
 148081 GTTTCAAT TTATTGCA CTAATTCTTC AAATTACTCT CAAAATTATT CCAGTATATA
 148141 TTCTTTGTT CCTATTCTCT TCTGTATTCT TTATTAAGG AGCTAATGAT TTATCTAGCA
 148201 GGACTTATAT TCTTCCATA ACTTTCTGC ACCCCAATTA ATCTCCAATT TTATATTCT
 148261 TCTGGCTTC CTTATAGTTT CCACAGGTTT ATTTTATTCA TTTTTAAAAA CTTTTATT
 148321 ATTGTTTATT TTATTATCAT TCTTTCTTAT TCAGCAATCT AAGTGTCTAG GGATATAGAA
 148381 TTCCCTCTAA GCAGCATATG CTAGGCTTTA ACAATGTTAG GGAGGCTCC CCTTTCTGGG
 148441 GAAGACCACA CTTACATTAA CACAGGACTG TGGGATGCCA AGAGGTAGAG AAGAGCTTAT
 148501 GAATATCCAG ATTACATCTT CACTGATCCT GCACAAAGGT GGGGTTCCCTC GTTACCCAC
 148561 TGGGTCTTAT TACCAAGTC TGGGTCAAGCA TACCGAGACT ACGGGTATAT AGAACAAAGTG
 148621 CAACTGGCGA TAATCCTTCT GTTGGGGAGA AAAATCTTTT TTTTCTATTG ATCTTAGGTT
 148681 CTCCATCTGT GGCCCTATCA AGTAGACTAA CAAAAGACAG ATTGACAAGA CAGAAACAA
 148741 GCATGTGCAT TGTACAAACA CAGGGGAGTA CTGAGATGAA TACTCAAAAG AGGATTTAGA
 148801 ACTTGGGCTT ATATAGCATT TTAAGAAAAG AATACATT TTAAGTGACA AGGAAGACGA
 148861 AAAGGACTTT GAGTTCTAG TGCAGTAAAT TGTGGGAAGG CAACTTTTC TTTCCCTTT

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148921 TTTTTTTTTT TTTTTAAAAA AAAAGACTTC TCTGGTGCTA TGTCCAGGCT GATAAGAGTC
 148981 TAAAGTCTCT GGTGACTAAC TTTTGTCTT CCCCAGTAA GAAGACACCT TCACAATTTC
 149041 ATATCCTGCT TTTAGGCAAA TAGGGAGAGG GCAGAGGTGT TTGTTTGTCTT TTAATCTATT
 149101 TTTTTCTCA ATTGTCTCA ACTCAAAAATA CTTCTTATGC CAAAGATGGC ATATTCTGCT
 149161 ACCCTTCACT TACTACTTAC AACCCAGCCT CTATCATCAT AATTAGAACT TCTGACCCTG
 149221 GGGAACATGG GCAATAGTTT GAACTCTTTT ATATCTCCCT TAGGCAGAGA TGGAGGCCA
 149281 GCCATGCCTC TGACATCTAG ACACAACTGT TGCTTCATTT CTCCTATTCT CAGAGGTGAT
 149341 GTTGAGGAC TTCAACAAAT ATCAGTAAAC ATTAATTTTT TTTTCTCTTG AGGCACAGCA
 149401 TGATCTGGC TTACTGCAGC TGCTGCAGG CTCAGCAATT CTCCTGCCTT GCCCTCACGA
 149461 GTAGCTGGT TACAGGCCCT TACCACCATG CCCGGCTAAT TTTTGTATTT TTAGTAGAGA
 149521 CAGGGTTCA CCATGTTGGC CAGGCTGGT TTGAACCTCT GACCTCAAGT GATCCACCTG
 149581 CCTCAGCCTC ACATAGTTCT GGGATTACAG GCGTGGACCA CCATGCCTGG CCATCAATT
 149641 TTATGTCAAC TCTAAATTAT AACATTAGC AATTGTGA CTTTTATGG TCATCATTAA
 149701 TGTGTTTAT GTTTAGTTG TAGTCCCTGTC ATTAATCACT CGGGTATGGT AATTGGTCT
 149761 TTTCAAAAT GAAGTTAAGG TCTATTGCT CTTCTCTGAA TCATAATAAG AACTGCCAAC
 149821 AGCCATTCA GCAATAACTA TTTACTGAGA TTTTAAATA TTTCAAGGTA ATTGGTCCTA
 149881 GCAGACTGGA AAATACCAAAT TTCTTTCCA GAACTGAATC CCCCATCAAA GTTCAATT
 149941 ACTCATAATT CCCTTTCAT TTGAAGCATC TCATTGTAAG CCAGCTTAA CCCTCTCTC
 150001 ACACTTGCT TGGCTGTTTC TCAGGTAGAA CTCAGTAAGT CTGGTAGCCT CCAGGACTGC
 150061 CGCTTAGATT ATAAACAAAC ATGTCAGTGG TTGGAAGAGT CAATGTTATT TTGATTTTC
 150121 TGTTTGTCTT TGTTTAAAT GCAGTTGGCG GATAATTGCA GCTTTCTTC ATTCCCTACA
 150181 TGAGTTCAAA TGGCAGCAAA CAAACTAGGA GAACGCAGAC CTTCTGACTT GTGGGTACCC
 150241 CTACTCATCA CCTGAAGACC CTTGGAAATC AAAGCCCTGA CCCATTAAAG ACGGATGGAG
 150301 ACAGCAACAT ACGATCATCA CTATTATCTT GCTTGCCTT AGTCCAGGTT AACCATCTGT
 150361 GGTATTTTA GTTGCTAAGT CCATATATTC AACATAAATC AATTATATAT CCACTAAAT
 150421 CTCAGCACTA GTCTAACTAC TAAGGAAATG ACAGCGAAGA AAACAGACCA AACGTCTGCC
 150481 CTTATGGGAT TTATATTATT TTCTCTGTG TGTTAAACC AAGGAGCTTC TGCTCTTTC
 150541 CTTAGTCACC TGGGGGAGGC AGAAACAAAG GAGAATATTG ATAAACCTGG AAATAGGGCC
 150601 GGAGAGTATC AGAGAAGGAA GCCTTCGGGA AAGTAAAGAT GTGGCAGCCA GTATTCCCGT
 150661 TATAAAAGGA TACAACTCCG GCCTCATAGT CCAGAAAAAT TCCCACAAGC AGGGGCTGCT
 150721 CATGCAGATG AAGGGAAGTT GGGGGAGAAG TAAGTGTAC ATAGCCTTTC TTTTTGCACA
 150781 GCCTGAGGGT CCAGAATCCA GACTGAGGCT CTTGCTTCAT GCCAGTGCCTC CTCTGCACAT
 150841 TTTCCATACA AACTCCTAAA TCCCATCCGG TTCCCTCGCC AACATCCACT TCAAAGTAAC
 150901 GTCTTCCTGA GGTGAAGCCT TCACAACCCA AGACACAGGG GAAGGCAGTA AATCTCCTGG
 150961 AAGATGTGTC CTGATTCTCC TGGGTGTATC CACGAGTCAC TTGTCCTCGA TCCTCAGAGA
 151021 GAATTAGTTC GTGATGAGCT GTATCTGGAT CCAGAGTCAC ACTAACTGCA AAACAAAACA
 151081 AAACAAACAA AAATAATT TTGCTGTGA AGAACACAGG TTATTTATT TTATTTATT
 151141 TTGAGATGGA GTGTTGCTGT CACCCAGGCT GGAGTGCACT GGCACATATCT CAACTCACTG
 151201 CAACCTCCAC CTCCCTGGATT CAGGCAATT CTCCTGCCTCA GCCTCCGGAG TAACTGCGAC
 151261 TACAGGTGCC CACCACCA AGTGGCTAAT TTTTTAAAT TTCTGTAGA GATGGGGTTT
 151321 CGCCATGTTG GCCAGGCTGG TCTCAAACCTC CTGACCTGAA GTGTTCCACC CACCTCGGCC
 151381 TCCCAAAGTG CTGGATTACA CAGGTGTGAG CCACCATGCC CAGCCACAAG TTATTTCAA
 151441 TAAAACCAGC CTGTGTTCAA ACCCAACTAT TGTTCTTAAAT AAACGGGTG AGCTTAGGCA
 151501 AATCATTAA CTTCTGAGC CTCAGTTGT TAATCTAAA GTGAAATTA CCGTATTGTT
 151561 TGCAGAGAAT GGTGGGTAGG ATTGAATAAG CTTATGTTTG CTTAATGCTT GGTAAAATT
 151621 CTGGTACATG GTAACCACCT AATAAGGGT AGTTGTTGG GTGATCAGGC CCAACACCAG
 151681 GCCGTGGGG CTACAAAGTC CGGCGGGTC AAAGGAATGA GAAAAGACAA GTTAAGAGTG
 151741 CATAAAAGTGG GTCCAGGGTG CCAGCACTAG ATTGGAGGCT GCAAAGGCC TAAGCTCTGG
 151801 GAGCCCACAC TATTTATTGG TGATCAAACA AAGAACAGG TGTTGAGGAC GTGAGGGTAA
 151861 ACAGGTGAGG GCATGAGGAC ATGGGGTAG AAAGGTAGTG GTGCATTAAG CGTAGCTGTG
 151921 ACAGTTTAGC ATTTCTTTG ACACATGTAG AATATACTCT GCTGCTTGAG ATAGTAGAGG
 151981 ACACGTTTAT GAGTAAAAG CAAGGAACCA ACAAGTCTGT GCACTTCCA GAGGCTATGA
 152041 GGGGTTTAT GCCCTGAGCC CTGGTTCCA TCCAAGCCAC AAGGGTTTT ATGCCCTAGG
 152101 CTTAGATTG TGGTGCAGCA GGGCAGCCTT CCACCATTTG GCACAGAGCT TGGTGTCTCA

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152161 AAGGCCACGA GGGGTTTTGG ACCCTGGACC CCGGACATCT TCCAAGACTC TTTTACATTA
 152221 TGACAGACAA GCCAGTCCTG CTTCAGCTCT TCTAACACA TGTAGTAATA ATGATATCAT
 152281 CAACATCATC TTCTGCTTAA TTATTCAAGG ATGCCAAGGT ACAGAACTAA CCTGTTAATA
 152341 TGGTTACCAT CCTGTCCAAA GTTCTTCTCC CATGCAGGAC TTCCAGGAAT CATGAGACAG
 152401 TTGAGCAGAA AGATACCTTT TCCCTTCTCT ACTGAATAAC CACCAACATT GAGAATCAGA
 152461 GAGGGAAAAT GACTCAGCTA ATGTCTTAGC TTGTTATTGG AAGACCCAGG TCTCATGACA
 152521 CATGCCTAGT CCCATGACTT TTAATTGTAA GCTCTTCTCT TTCCCCCTCAG ATAATGTTCC
 152581 ATAAGCATTA GTATGAGATA ATAATACACT GAGGACCAAT ATACATGAAA AATATCAGAC
 152641 TAGAATCAA CAAGACAGAA AAAAGATCTG ATAACCTAAA GTGAGATACT GAACAGTATG
 152701 CAGTTTAA AATAAAAAAT GGTAAATAGGA TGTCTAACAA AGAGAGTTAA GAAACCACTG
 152761 TGCTACTGAG TTAAATGTTG ATCAGTTGGT CTGTGACAAT TAAGGAATTG AAGTATTGAG
 152821 AAACACTTCC TGTGCTGGAT GCTCTCTGTT TGTCTTCCA AATAATCCCT CACTTTCC
 152881 TGTCTTGCTC TGTGCCCAAGG AAGGCTGACA TGGACAGATT AACCAAGGCTT TCCGCCCTCT
 152941 GGCTTGGTTC AGCCAATGGG AAGCACAGA GGAGACCAT A GGGCACAAAG AAGCAGCCTT
 153001 GGGAGTATTG AGTACCCCAG TCCCACGCTA TGATTGAGG GGTCTGCATT CCTCTGCCTC
 153061 TGGGCACACT CTAGTATAGT TACAGCTCCC TACACCTGCC ACTTGAGGCC CAGAGGAGGT
 153121 GATGGCTCTC TAACTGTTCC TAGTTCTGGG TGCTTCTGT TCCCTGTGGA TTTCCCAACT
 153181 CCTCACCTTT GTAAATACCC TCCTTTTCA AACTCTATTG AGTTAGCTT TATCAGCCTG
 153241 ACTCACAGAA GTTGGGGTT TCAATTCTATA TTACCTGAAT GACCCAGGAA AACCCATGTT
 153301 GAGAAATTAA AATGTTTACG GGGTGGTAAT ACCACTTAAG AGAAAAAAATA TCAATTGGAT
 153361 TTTTAAAATT CCACCTATCT ATTGGTGTGA CACATCAACA AAAACATATA GAAAGATTGG
 153421 AAGCTAAAAG ATAGATAATA TAGTCATATA CTGTTATAGT ATTATATCAA AAGATATTAA
 153481 GTCAGAGCAT TATTAAGAAT GGAAGAAGGG CCAGGTGTGG TGGCTCATGC CTGTAATCCC
 153541 AGCACTTGG GAGGCCAAGG CAGGCAGTC ACTTGAAGCC AGGAGTTCAA GACCAGCCTG
 153601 CCCAACATGG CAAAACCTG GCTCTACCAA AAATACAACA ATTAGCTGGG CATTGTGGCA
 153661 CATGCCTGTA ATCCCAGCTA CTTGGGAGGC TGAAGCACAA GAATCACTTG AACCGGGGAG
 153721 GCAGAGGTTG CAGTGAGCTG AGATTCGCC ACTACACTAC AGCCTGGGTG ACAGAGAGAG
 153781 ATTCTGTCTC AAAAAAAA AAAAAAGAAAG AATGAAAGGA GTCACTAAA AAAGATAACA
 153841 CAATTAAA CATAATGTA CTACATTATT AGTGAATTCA TGTGTTAGAAT TGTGTTAATA
 153901 TACAAAGCAA AAATTGTTAGA ATTATAGGAG AAATGGACAA ATCTACAATC ATCATGGGAT
 153961 GTTTAACAT TCTTCTTCC ATAATTGATA GATCAGGCAG ACCAAAGAA AGAAATAAGG
 154021 GAAGATACGG AAGGTCTGAA CAATCTAAGA AGCGCAATCT CATAGTCAT ACATAAAGCT
 154081 CAGCAATTGT TTAATAATAG TAAGCAGAGA ATATGCAGTT TTCTCAGGTA TAGATGGAAC
 154141 ATGCACTAAC TGAGTAAATA CTAGGCAGAA AACAGTCTGA ACAAGTTCA ATAAATCTGT
 154201 ATTACACAGA TCATTTCTC TAGCCTCAAT ATAAGATTAT AAACCAATAA TAAAAAGATG
 154261 ACTAAAAAGA TTCTAAATAT TAGGAAATGT AACTACTAA TAAGTCATTA GAAGATGTAT
 154321 AGAATGGAAC AATAATAAA AGTTATTTAT AAAAATATAC AATGAAGCTA AAGCAGAATT
 154381 TTAAGGAAA TTTGTTAGGCT TTAATGCTT ATCTTAGAAA AATTAAAAAG CTGAACATTA
 154441 ATGAGCCAAG CATCTAATTT AAATTTAAA AAGAACATAG AAAGCCAAT ATAATTTTT
 154501 AAAAGAAAA AATAGATATT AAACAATATA ACAGTGAAGT TAAAGAAAAC AAGAACCAA
 154561 TAAAGAGGAA AAACAAACAA AAAAAAAGGT AGCTTCTTT AAAAGAAATT TAATAAAATA
 154621 GACATACCTC CAATGAGATT TATCAAAGTA AGACAGAAGG CACAAATGGA ATGAATACAG
 154681 AAACTTTTA AATATTACAG AACTTTATAA TAAATCTTAT GCTACTAATA AAATTGAAAG
 154741 TACTGATAAA ATTATTACTT CCTAGAAAAA ATATTCTGA GTAAAACCTCA CTCAAAAAAC
 154801 AAATAAAGCA TGGGCAGACC TAACATTAAA GAAATGAAAT CACTACTTTA AATTCTACCG
 154861 ACAGATAATA AAACGTGCAT CTTTATCAAG CAAAATGGA ACTTGTCACT TTTATAGGAA
 154921 ATTTAGAAGT CAAGGCATGA GTAATGCCA TCTCATACCA AATCCTACAA AGAATAGAAA
 154981 ATTATGGCTC CCGCTTATAG ACATAGATAT AGAACTCCTG CACAAATAA TATAAATAAC
 155041 AAACCAAATT TTATATTGCA AACTATACAT ATTATATGTG TATGTATTAT ATATGTTAAC
 155101 ATATACATAT ATAATATGTA TAGCATATGT TCTACATATT ATATATGTAT AGTGTATGTA
 155161 TTTTACAATA TATAATGAA AACCCAAATCT TTAATATATT CATCTAGATT GTCATATATG
 155221 ACATATATAA TACATTACAT CAAAAATGTG TACAATAATC AGGCCAGGCA CAGTGACTCA
 155281 TGCCTGTAAT CCCAGCACGT TGGGAGGCTG AGGCAGGCTA ATCACTTGAG TCCAAGAGTT
 155341 TGAGACCAGC CTGGTCAATA TGGCCAAATT CCATCTCTAC AAAAATATG AAAAATTATC

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155401 CAGGCATTGT GGTGCACACC AATAGTCCC GCTACTCGGG AAGCTGAGGT GAGAGGATCA
 155461 CTTGAGCCTG GGAGGTGGAG ATTGCAGTGA GTCGAGATTG CGCCAGTGCA CTCCAGCCTG
 155521 GGTGGCAAAG GGAGACCTGT TCTCAAAAAA AAATTAAAAA ATTAGCCAGG TATGGTGGCC
 155581 TGTCCTGTA GTCCCAGCAA CTGGGGAGGC TGAGGTGAGA AGATCACTT AGCTCAGGTG
 155641 GTGGAGCCAT GATCGCACCA CTGTACCACT CGGCTTGGGC AACAGAGTGA GAGCCTGTCT
 155701 CGAAAAAACAA AATATATACA CACAGTAATC AATATATATA TTATATGTAC CAATCAATGC
 155761 TTCACTTTA TATATAATAT AGATTACATC TTATTAGATA TATAGTATT CTTCTCCATA
 155821 GATAGATAGA TACAGATATA GACATAGTAT CCTCTATCCA TATTAGAGAG AGGATACTAT
 155881 ATATATCTAT AGCATATAGA GATGCTGTCT CAAAAAAATT TAAACATCAG CCAGATGTGG
 155941 TGGCCCATGC CTGTAGTCCC AGCTACTGGG GAGGCTGAAA TGAGAGGATT GCCATTGATC
 156001 CTCTCATTGG TTGAGCCATA ATCGCACTAC TGCAACACTC AGCCTGGAG ACAGAGGGAG
 156061 ACCTGAGGTG GAAGGATATA GATATAGATA TATAAATAAA TATGTATAGA GAGAATATAA
 156121 TATATGTGTG TATGTGTATA TATATATATT ATGAAGACAC TGGGAGAGAA TACTATATAT
 156181 ATATGTGTG GTGTATATAT ATATTATGAA GACACTGGTG GGATGGTTTC ATTACCAATT
 156241 GGACCAAGAG TCCAGGTATG GAGCCAACAT GCAATGTTGT TGTGACTGA GCTGGCAGAG
 156301 CACTGGTCAT AGTTACGGGA AAAGAAGGTC TCCAATGAGA CATACTTAAC AAAATATATG
 156361 AACTTGCAT ATACGTGGAG AGTTCTGGTG TGTATATAGC CTTCTCTCAC CAACCTAGCA
 156421 ATTGCTTCA TCATCATTAT AATGCTATCA GAGCAAAGAT GACAGCTAAA TTTTTTGTG
 156481 CCTTTCTTCT TCTTTCTCTT CCTTCCCCCT CCCCACCTCT TTCTCTTCCCT CTCCTCCTT
 156541 CATCTCTCTT CTTTTTTTTT TTGAGATGGA GTCTTACTCT GTGCGTCAG CTGGAGTGCA
 156601 GTGGCACAAT CTCAGCTCAC TGCAACCTCT GCCTTCTGGG TTCAAGCAAT TCTGCCTAAG
 156661 CCTCCAGAGT AGCTAGGACT GCAAGTGCAC ACCACCACAC CTGGCTAATT TTTGTATT
 156721 TAGTAGAGAT AGGGTTTCAC AATGCTGGCC AGGCTGGTCT CAAACTCCTG CCCTCAAGTG
 156781 ATCCTCTGC CTCGGCCTCC CAATGTGCTG GGATTACAGG CGTAAGCCAC TGTACCCGGC
 156841 CTCCTCTTT AATAGACAGG GTCTAGCTCT GTTGCCAGG CTGGGTACAG TGGCGTGATC
 156901 ATAGCTACT GCAGCCTCGA ACTCCTGGGC TCAGGAGATC CTCCTGCCCT AGTCTCCCCA
 156961 GTAGCTGGAA CTACAGGCAT AGCACACGGG GCTAATAAAAA TTAATTAGGT GATAAAATTC
 157021 ACTGCCACT GATGACTAAG CTCTTGGAC ATAAAAGACA CAGACCTTGA AGGAAAATGT
 157081 GTCTACTTAA TTTGAAACC CTATTATCA AAAAACAGGA TGAAAATGCA AAATGCCATC
 157141 CACATGCCAG AAGATATCAG CTATAATAAG TTCCCATAAA TCAATAAGGA AAAGAACCCA
 157201 ATAAAATTA TAAACCACA GTAAATCATG GTAAATCAG AGAGGCCCTGA AGGGCTAATG
 157261 GACATACAAA AAGAATCTCA ATCTCACTAG TGAAATCAGA AAAGCACAAA TTAAGTACAC
 157321 AATTAGGTAC CATTAAAT CTGTAAGACT GTCAAAATCA TAAATTATAT AAGTAAAGAC
 157381 TCAGGGAGTT TTGGAGGAGT GAGAGCTCTT ATATTGCTTG TGGGTAGAA TTGGAACAT
 157441 TTCAAGATCT GTAGTATCTG GTAAAATTAT GATATGCATC CCTCACACCA GCATGTCACT
 157501 CCAAGGTATC TCCCTGGAGG GAACATTAC GGGACACAAG GAAGCATGGA TAAGAATGTT
 157561 CACAGTAGTA TTGCTGCAA CAGCAACAAAC AACAAAAAAA CCCAACTACA CACAACCTCA
 157621 ATGCCAGTC CACAAGGCAA TGGATTAAAT AAACCTCAGG CGGGAGATGG TGGTTCATGC
 157681 CTGTAATCCC AACACTTTAG AAGGCCGAGG CGAGAGGACT GCTTGAGGCC AGGAGTTCAA
 157741 GACCAGCCTG AACAAAATAA AGAGATAGT TTTCTACAAA AAATTTTAA AAAATTAGCC
 157801 AGACGTGGCA GTGCTTGCT GTGGTCCCAG CTACTGGGGAG AGCTGACGTG GGAGGATTGC
 157861 TTAAGCCCCAG GAATTAAAGG CTGCAGGGAG CCATGATGGG GCCATTGCAC TCCAGCCTGG
 157921 GTGACAGAGT GAGACCCTGT CTAAAAGAGA TAAGTAAATA ACAACTTGC ATTTCTGCC
 157981 ACATTGCAAAT ATGGTGGAGAG AGTGGTTCT AGACTCTAGA CTCTTTCTAT GACTACCTTC
 158041 TAGTTATGAG ATCCTACAAAC ACTCACCTAA CCTCTCTGTG TCATATTTC TCCCTATAAA
 158101 AGCAAAAATG CCCCATATAG AGAGGACTGT GATATAAAAC AAGAACCAAG AAAAGTAAAG
 158161 CTTTCTAAAT CTGTCACAGA CTAAAGAGTGT CTCAGTATAT GTGAGTCATT ATTCCTGGTG
 158221 CTGGTAGGAG TGTATGTTAC AACTTGAGT CAAGTAATAT GGTACCATAT ATTAAGATTA
 158281 ACAACAAACCT CGGCAATCCC AGTTGGGGT ATGTTCCCAA AAGAAATGAA AGCACCAGGA
 158341 TATAAGGATG CATGGACTAG AAAGTTATTG TAGAACACATT GTAATAACTA AGTTCTAAAA
 158401 ACAGCCTGAA GCTCCATCAG TAGGGATATG GTTACATATA TTTATTATAT TCTTATGGAA
 158461 TATTAGACAT AAAAGTAAC GAGAACATA GAAGAGACAG TGTATATATG TTACGTTGT
 158521 ACAAACTTAG GGAAAGATAT AGATCACCCCT ACCTAGAGAA GTCAGATTGG AGACGGGTGG
 158581 GAAAAACCTT GAACCTTCTC CTTATATCCT TTATATTGTT TGACTGATTA AAATGTATTT

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158641 GTTGCATCTG CTTGAAGGCA ATGTAAAATA AAATAAACAT ACATTTAAAA AAAAAAATAA
 158701 AATTATTC TATCACTTT GTAATAAAGC TGGGCACAGT GACTAACACT TGTAATCCTA
 158761 GCACTTGGG AGGCAGAGAC AGGCAGATCA CCTGAGGTCA GGGGTTGAG ACCAGCCTGG
 158821 CCAACATTGT GAAACCCAT CTCTACTAAA AATACAAAAA TCAGCCAGGC ATAGTGGTGC
 158881 GTACCTGTAA TCCCACGCTA CCCGGGAGGC TGAGGCGCTG GAACCCAGGA GGCAGAGGCT
 158941 GCAGTGAGCT GAGATTGCGG CACTGCAAGC CAGCCTGGT AACAGCGAGA CTCCATCTCA
 159001 AAAAAAATT TGAAAAAAGA AAAATTAA TAAACAGTGT TTAAGAGGGG AGAAATATT
 159061 AGTTAAAAGA TAAGCCCATT TAAGAAATAG TTTCACTTGA CCCGGAAGGC GGAGCTTGCA
 159121 GTGAGCCGAG ATCGCACAC TGCACTCCAG CCTGGGCGAC AGAGCGAGAC TCTGTCTCAA
 159181 AAAAAAAA AAAGAAAGAA AGAAAGAAAG AAATAGTTTC ACTTGAAACCA TATTATGATT
 159241 CCTTCTGTAA AAGATGAGAG TAGGCAAATT GACTCAGTGA AATCCCAGCA AAACTTACAC
 159301 AAAGTCTTGT TCTTCCTTCC TGTCACTGT ATAGGATGAA ATACAGAGTG CTTTTGGGTT
 159361 TTGTTGTTGT TTGTTGTTGT GTATTTGAGG GGAACACAGG TCTATAATT CTTTTCTGAA
 159421 ATCCCTGGAA CAAAATGGC TTTGCCATT AAATTAGTTT AGAAGTTATA AAGGCAAAA
 159481 AATGCATATA CTCTAAAGTT CAACCCCATC ATGGCCTAAG GCAGAGCCT GTAATCAAAT
 159541 TCATCAATAT ATCTGCAGCA AAACATTAT TCAAATTAAAG TGGGATAAAAT AAAGACTTT
 159601 AAATAGTCTC ATCTCAGTGC CGTTCAAGGT TGGCCACTGT GGAAGACAGA CTCAAGGGTG
 159661 GCCTTCTATG ATTCTGCCT CTTGGTGTTC ACACCCCTCGT AAAATTCCCT GTCTTGAGT
 159721 GTGAGCAGGG CTTATGAATT GCTTCTGACC AATAGGATAT GGCAAAGATG ATGGGATATA
 159781 ATTTCTATGA TTACGTTCA TTATGTAAGA CTCCATCTTG CTGGCAGATT TTCTCTAAAG
 159841 AGTCTGTCTC CTGAGCTCTC TCTGAAGAAA TAACTGGCCA TGTTAGAAGC CCATGTGCAA
 159901 AGAGCTGAGG GGTGGCCTGT AGAAGCTGTG GGCAACCTCC AGCCAACAGC CAGAAATAAC
 159961 CAGGGCAAA GTCCTGCAAC CATCAGGAAA GAAATTCTGC CTGCTACCTC AGTGAGCTTG
 160021 GAAGTGGATT CTTCCCTAGC CTAGCCTCCA GATAAGAAC CAGCCTGACC AACACCTAA
 160081 CTGCAGCCTT ATCAGACCCCT AAGCAGCAGG CCCAACTAAG CTGTGCCAG ATTCTGAAC
 160141 CACAAAATT GAGATAACAT ATCAGTGTG TATTAAGTTT CTAAATTATG GTAATTGTT
 160201 TGTACTAATA GATAACTAAT ATAACCACCA AATCATTCA GGTTAGGCCA GATTTTGTA
 160261 GCCAAATGAA TCATGATAAA ACTTTCCATT TTCAGGGTT TTTTGATTT TGTACTTACG
 160321 GATACAAATT TGTGAAAGTA TAGTCAGCAC TGATTTAAA AATCAAGGG ACGAGAACT
 160381 CAGTAAATGG TTCTAACATT TTGGAATCTG TAAATTGGTT GTAACATTG TCATCTGTGT
 160441 TATCTAAGTC AAGTTCTAA AATATGTGAA TGATAGGTTA TCATACTCAC CTACTTTCT
 160501 TGCATTGCTC TAAGAGTTGG CTGAGCTATT GATAATAAAC ACTATGATCA GATCTAATAC
 160561 CATGATGTGC TATTATGATC ATGTGTCAGT CACAGGGCTA AGCACTTTGT ACATGTTGAT
 160621 GCATTTAATT TTGATGATAA CTCATGAAAG TAGGAGCTGT TAATATTTC ATTTTCAGA
 160681 GGGGAAACC AAGTCACTTG GAGTAACATG GCTAATAAGT GAAAGAATAA GAATTGAAA
 160741 GGTTCACACA GATAACCAGA ATGCAATGCT CATCACATTC ACTGAGCAGT GAATCATACT
 160801 AACTAGAGAA AGTATGAAAG CTCTACTGAA ATTAACTAAA CAACCTCTCT GGCTGTGAGC
 160861 CTGCCAAGGG ACAGGTGGTA AACTTGGTTA CTGCATAAGG CCCCTCTAT CCACAGTATT
 160921 CAGGAATTCT TTAGTGAACA TACCTTGATG ACTCCTTAAC ATTTCTTCA CATCGAAGTA
 160981 AAGCTTGGAA ACATTGCACA TAGTATGAAG TTCCAAGGGAG ACAGCCTCTG ATGTTCCAG
 161041 CTTCACAGCC CAACTCCTAG AATAAGCAGA GGCAGAGAT TTCTTCAGAG GTGCATTCCA
 161101 TTCAATTCTA TATACGCACA CCCCTCCCT CCTGCATTCA AACAGGACTT ACCTGCTCAA
 161161 AGTGTCTTAC ACATTCTATA AAGAAACAAA AAGAAAAGGT GAGCATGGGA ACATCGGTAT
 161221 TTCACTGGGC TTGTCATGCA GGGCTATTCT TCTTTGCTTT ACCCGAAGAA GTAAAGAGAG
 161281 TTACCTTAGT CTTAGTCTTA GATATTGATG GATACTAAA CAAAGTAATT CCCACCAAGTC
 161341 TTAGGTATTG ATGGATACCC AGATGGAATA ATTCCTACCA GCTTCTGGGA GATTTCAGCAT
 161401 GGCAGGATGT TTATCAACAT TTGCATCTAT TCTCATCCTT GCTGAAGTCT GAGGGCCAGG
 161461 AGCTTGTCC ATGCTCCCTC TGTAAGGACT AGCTTTGGT GATCGGATTT CCTTCACAGT
 161521 GAGCCAGAT TAGAGAACAC TTATCATAAA GGTCTTAGT GGTGAATCTG TGCACAGCCC
 161581 TGAGACTGGG CCACTGCCAC TAAGATGGTG GTAGCAGGTA TCACACAGTG GTAAAGCAAT
 161641 CATGCTATAC ACTCAGCCTT ACAGTATAGT CACCAATCCT GTTAKTTAGA ACCAGAATTA
 161701 ATGGCTCCAG ATGTTTATCT TCCTACAGAT AAAGCTGTAG ATTGTACCAT AACAGCTCTG
 161761 GAGCAAGGGT TCTACAAGCA AATCAGGGAA AAGGTTATCA CTCATTTGG CTGCCCCACT
 161821 TCATCACCCA TCAGTCACCT AGTGGAGTAT TTCAGGAGAG AGTCAACAAAC CAGGGTTCTC

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161881 TGCACATGGG CCAAGGAGGC AAACAGTGGT AAATGTTATC CCGTGGTTTC ATTTGGCAA
 161941 GCTGTGTTCC CTCAGAAGTT TATTTTCTA ATTGACATAA AGGTACCCCTA TAAATTAGTG
 162001 AAGGCCAGCC TGATGGCACT GATGTACATC TAAAAGAAC ATTACTTAT CTTCCCATGC
 162061 TTCCCTTACCA TTCTCCTTTA ATAGCACTAT AACATACCTT TTTTCCCTAC TCCAAGTACA
 162121 CAGCCTCACCC TGCAGCAATT TCTGGGCTGA GCCCTGACAT TTTTCCCTCCA GTTCCAGGAT
 162181 GTGGCTCTTG AGTTCAATTGC TCTTCAGCCC CAGACCAGCC TCATAGTCCC TCAGTCTACT
 162241 CAGAGCTGTG TGTTCTCTT TCTCCAGCCT CCAGAGATAA GACTTCTCTT CCTCATGTAG
 162301 GAAACACTGG AGATTCTAA AGTCAGACCG GATTTTTTGT CTCTGAATCT GTACCTTCCTC
 162361 CTGGAGTCAA GAAAGTATGG TCAAAAGGTG GAAGTAAACC AAATGTCCAT CTATGGATGA
 162421 ATGGATAAAC AAGAATGAAA GTCTGACACA CGCTACTACA TGACAAGCCT TGAAGACATT
 162481 CAAGCAAAAT AAGCCAGAAA CAAAAGGGCA AATATTGTA GACTTGCTT ATACAAGGCA
 162541 TCTGGAGTAG TTAAGTTCAT AGAGACAGAA AGTAAAATAG TGGTTACAAG GTGTTGGCAA
 162601 GACCAGAAAA TGGACAGTTA TTGTTAATG GGTAGTGAGT TTCAGTTAG AAGATGAAAG
 162661 ATGAAACTGA GTTGCAGTTT GGAGATGGGA ATGGTGATGG TTGCACAACA ATGTAACAAT
 162721 GTAAAAGCAC TTAATTCTAC TGAACATATAT ACTTAAAAGT GGTTAAATGC TTAAGTGTAA
 162781 TATATATTCTT CACACAAACA CACACACACA CACAATCAGC CACTGGGACA TTATTTCTC
 162841 ATGAGTCACT GAAGCTGGAA GAATGTCCCC AGTTCCCTGC TGCAAGTCA TGTGTGGAG
 162901 GCAGGCACTC AGATGTGGAA GAGGTGCCT CAGATTCCCT ATAGTCACCC ATTAATTCTT
 162961 CTTGTTCTTC AGCCAAGACA CAGGAGAAAG CTGGGTTAGG AGTGTAGAT ATTTAATTG
 163021 TGAAAATAGG GCCAAGTTCA AACACTTTAT CAGTTACAAG GATAAAAAGA GTTTTTACT
 163081 TATGATTAA GAAGTTAGAT TTCTGAGTTG GAGCGATTTT CTTGAAGTAA AAGCTTATAA
 163141 TGAACATCAC CCAGACTGGG TTTTAAGACA ACCAGGCTGG TAAGAGGGTC CATAATTCTT
 163201 GGCAGGGGGA GCTTTGAGTG TGACAGGCAT TTATTATGGT TAACTGAGAA ATACTGTTCT
 163261 ACTACCCTAG GGTCACTTAA AGCATTCTTA TGTGTAAGAC TGACAGAAAT CAAGTGAAC
 163321 TCTCATCTGA GGAGATGTAA AGTTGCAATT TCCATTAGTG CTGTCATAAT TAATGCAGTG
 163381 GGAGTGTGTA TTCAGGGCAA TTTGAATCTA TGTCTTGGG TTGCAGTCTT CAAACTTGGC
 163441 CCAAATAAAC TCTCTACTTA TCTTAAAAAA ATAAAAAATTA AAAAATAAAAA ATAAATTCTAT
 163501 ACAGTGTGTTT GATGACTATG ATATAGAAGA AGGGCTTTG ACTTAGGATG AGGTGGAATT
 163561 TTTGTGTTAGG AGACAGGTGC AGCTTAACT CTGTATAGA CGGGTTTCA TATATGTTAG
 163621 TTACAATCAA GGTCTTCCCC ATTGCCAAG ATCCTAGAAA TGGGGGAAGT AAGAGTGTAC
 163681 TCAGGAGCTC AAGAGCAACA TCCACAAACA AAGATCAGGG TAGAGGTTAG AGAGGACTCC
 163741 TGAAAGAGAG AAAATTGGTA ATCAGCTTGT GGGATTTAC TGCAAGCTAG TGAATTATAT
 163801 AAATATAAAC ATTGGTGCAA AAGTAATTGT GTTTTTGCG TTTACTTTAA TGGCAAAGAC
 163861 CGCAATTACT TTTGCACAAA CCTAAATATT TCCATAAAAG AATGTGGCTC TGATAATGTG
 163921 GAGGTTAGTC AGCCACGGAA ATAATCTGAA AGTTGTAGT TGCAAGTGTG TAGGTTGTG
 163981 CATTACTTGT GATGACTTAA TAAATCAAGT ATAGGCCGG TGCACTGGCT CACGCCTGTA
 164041 ATCCCAGCAC TTTGGGAGGC TGAGGTGGGT GAATCACGAG GTCAGGAGAT CAAGACCAC
 164101 CTGGCCAACA TGGTGAACCC CCGTCTCTAC TAAAATACAA AAAATTAGCC AGGCATGGTA
 164161 GCACATGCCT GTAATCCCAG CTACTCAAGA GGCTGAGGCA GGGGAATTGC TTGAACCCGG
 164221 GAGGTGGACA TTGCACTGAG CTGAGATCGC ACCACTACAC TCCAGCAAGA CTCCATCTCA
 164281 AAAATAGTA ATAATTAAA AATAAAATTA TAAATAAAGT ATATTCTTT CATCAGCTTC
 164341 ATGAGCTAGA GTAGTATGAA TTTCAATCTG GAGTGATCCT GTTTCTAAG TGTTCACAAA
 164401 GCTTGGTTTC TGACCTGTA AAGTTGAGAG CCAGATGCTC CACTGTGGTA AAAGTGCCAG
 164461 GGTAATGAGT TGAGGCCTGC AAACCAGGTT TTTTGACG TATTTAAAGT TTGAGACCCA
 164521 CTCGATGCTT TTTCTAGGTA AATAGTCATA CTAATTCTGC TTCTCTGAC TGAAGTATCA
 164581 GGAATCCCAG CCAACTACAG TTTAAAGATG GAAAGATTGG TGCTAAATAC TCATGGATGT
 164641 AAACCTGGAA CCAGGGCAT AAGTACAAAT AATGGTTCTC TCCTGGGTT TCATTTTTC
 164701 AATCTGGTTT AGTGAGAATA AATCCTCATT GTGCTTTTC TCAATCATCC CCTATGCCTA
 164761 AGCTCTAGAA TGGAAAATAG CTTGAGATCA ATGAAGTCAG ATTCTTACTT TCCATTTAGT
 164821 TATTGCAATT GCTGTGGACA GCTTCTGCTC CGTACATCTG TCTTCAGTT GCTTCAGTTT
 164881 TGTACAGCT TTCTGGAGCT TTTCTGAAG GAAAATTTG ATAAGTGAAG CCTATTCAAT
 164941 TTGACTCTTC ATTAGGGACC TAGGGGAAT CCCAATCTTC TAAGATATAT TTGAATAATA
 165001 GTGAATATTT ATAGAGTCCT CATTGTTTT TGCTAGAGAG CATGCTAAAG GCTATATGTG
 165061 CAGGAACATA CTGATCCCCT TGGCAACCCT GAATAGTTGG TAGGATTTA AACTCATT

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165121 CTGTGCTGTA GAAAATGAGA CTAAGAAAGG GGTAAAATAA CTTGCCAAA GGGCTATGAC
165181 TGCCAGGTGG TGGAGCAACA ATTGCAATCT CATCTGCTGA CCCAGAGCCT GAGCTATGTC
165241 CACCACTAGA GTCCCTGCCAG GAAAAAGTTG GATATAGAAC AAGGTAATCA TCATCTAAAA
165301 GATTTGTAA AACAAACATGC TGAACCAAGC AAAACCAATA CCAGTGTGTTG GCACACATGA
165361 AATTTGTGT CTTATGAGTC AGGAAAATC AGGATGCCAG CTGGTTATTA GAAACAGTTC
165421 ATGGAAGAGG GGAATTCTGG TATCTTTGA ACAATGGTAT CATGAATCCA ATTAAAATG
165481 ATTTAGTATT CATGTCAAGC TTTTAGCTTA TTCTTCAAAA CAGTTCTCA TATTCTATT
165541 GAAAGTGATT TGAAGCTGAC CCAAATTGCT AATTGAGTC AATGCTGAAA GAATTGTCTC
165601 CTGCTCTCG TAAACCCAAAC AAGTATACTC ATTCATTCTC GAGTGTCTC AGGAAAAGGT
165661 TCTATGTAAC TGTTTAGCA AAAGATGACA TTGTCCTTAC TATATGCCAA GTGCTATTCT
165721 ATGCATTCTA TATTTTAATG TCCTCAAGC TTATAACCAC CTCCTGTGTA TGTGTTTAG
165781 GGAGGGAGGA CACTGCTATT ATCCCCATT ACAGATGGAG AAACCAAGGT GTGAAGACAT
165841 TAAGAACGT GCCAAAATT GCCCATCTAG TAAGTGACAA AACTCAATTT CAACATAAGC
165901 TGGTCCTTT TCTTACTACT TGTTGGAAAA GTAATTCAA TGGGAATATG ATCATCGCAG
165961 TTATTAGCTG CTCCATGGAG TTTAAGGAAG AGCTGCCATG AGCTGAGTGG TGGTCATGAT
166021 TGACATGTCC TTAGAAGGAC TTAGAGCCTT CATAACAAGAC CACCTCTGCC TCATGGAGGA
166081 CAGAATAAGG AGCCTGACAC TGAGACAAAC ATTTCTCTCA AATTAGGCA GGACAGAGAA
166141 GGAAAAAGGA CATCAGGACT ATGCCCATTC CTCCATGCTG CCAACAGCAA AGTCCCACCT
166201 TCCTTAATAT GCTTCTGGC AAGAAATCTG GATGGTACAC AAAACCTCTC CCTCTGCTTC
166261 ACCCTCCACA ACCAAGCATT TCCAAATCTT TGACTCTTCT TCCTGAATCG TGCTTAAAT
166321 CTGCCCTCTC CTCCCTTTCT TATACGGATA GTTTGAATT TGACTCTTGA TATTCTTTT
166381 ATCATAGACA TGCCACAGTA GCTGGGCACA GTGGTTCATG CCTCTAATCC CAGCATTGG
166441 GGAGGCTGAG ATGGGAGGGG GACCAGGGT TTGAGGCCAG TATAAGCAAG AAAGGCAGAC
166501 CATGTCTCTA CAAAAAATAA AAAAATTATC CAGGTATGGT GGGGCATCCC TGTAGTCCTA
166561 GCTACTTGGG AGGCTGAGGT GGGAGGATTG CTTGAGCCCC AGAAGGTTGA GGCTGCAGTG
166621 AGCGAGATT GCACCATTTG ACTCCAACCT GGGATACAGA GCAAGACCCCT ACCTCAGGAA
166681 AAAAAAAA AAAAAAAA AAAAGTAGAG GTACCAAGGT GATATTTCATC ATGTCACTGA
166741 CCCTCATTC CCCAAATGAA AATCCCCAA TAGGTGTTCA ATTTTACGT GTCCTTCAGG
166801 AGTTACTTCT AAGATGAACC ACTCTCTACC CTAATGTCC CTCCCCACCA CCAAAACCAG
166861 GGACCTCCAG GCAGACATT TTGATGGTT GTTTCTTTA CTAGACTGTA GATACTAAA
166921 AGGTGATGGG TCTTCTTCC CTGTTTCAG GCCCTACTGC ATGGCTTTAC ATATTGTGGT
166981 TTTCAAAATG ATATTCATGG TGTGAAACAA GAAAAAATGC GGGTGTGTTGG TTTGAGAAC
167041 ACCTGTTCTA AAGCAAAAG AAATTCTATCA TAACACAAAT GGATAGAGAT AAGAGTCCAA
167101 CCATCCCATT GAAGGTCAAGG ATGGACAGTC TAGATAATTG AGCAAGAAAT CATCATAAAC
167161 TATTTTTCAG AAGAATGACA TGATGAAAGC TGATTTCCA AGTCATAATG TTAGGTTCA
167221 AGTTAAATCA TCTCAGCTCC TGGGGAGCAG GATAAGACTT GGTACTTACCA AAAGCTCCCG
167281 GGCCCACACA CTCACCTTGT AGCCCTGGCA TACGTCTTCA ACAAGAGCTG TGGTGTGCC
167341 TTTGTGCTGT GGTGCCCGCT CACAGGCCA GCAGATGAGC TGCCCTCGT CTTCGCAGAA
167401 CAGGTGGAAC TGCTCTCCGT GTTCCCTACA TGACATTCT TGATCCGTCT CTTTGAGGGC
167461 TTCAATGAGG CTCCCAGCT GCTTGTGGG TCGGAGGCTA TCCATATGAA ATGGAGCCCG
167521 ACACTGGGA CAGCAGAATG TCTCCTGCCT CAGTTGCTTT TGGCTGGGT TTTTAAAGAA
167581 GTCTGTTATA CACAAGTGGC AGTAGCTGTG TCCACAGTTG ATGCTTACTG GGTCGTCT
167641 CAGGCTCAGG CAGATGGAGC AGGTGGCTTC CTCCATCATC TTCTGGTGC TGGTGGTTGA
167701 GGCCATAGCT TTATGAAA AGCTCCAATA TTGGCTCTAG AGATGGAGAT GAAGCAGCCA
167761 GAATTTCCTA CCGTGATGAA AATACACCTC ACCTGCAACCT CTATGTGATG AGCTGGCTGC
167821 AACTGACTTC CATAGGTCTT GAAGGTTTTC CTCCAACCC CTATTATCTC ATTGTTGTATT
167881 GAAGAAAAGA GGACCTAAAA GGAAGAACATT GAGGCTGAGG TTGTTGGGC CACGTTTGAG
167941 AACTGCAACC CAGTGCAGA GTTTCAGTGCCT GCCCTCATTG CCAAGCAGTT ACAAGTGGTT
168001 GTTTAGAGGA AAAAAAGCAG TTTTAAAGCA GTTTAAAGT TGTGTTGCCAA GAATTTCACAT
168061 TAAAATAGCA TAAGCTTTTG ACTGGCTATA CATTGTTCTT TGTATTACAA ATCTCGGGAA
168121 TATGTAGGTA ATAGATGAGG CAGCCAGTC GGAACAAAAT GCTTTAAAC ATGGGGTCTT
168181 AACTGAAGAC CTATACTCCT GCCTCACTTG TCCTGATAAA TTTTGACATC CTCACATAGC
168241 TCAGACTGCT CTAATTATTTC TCATTATTCTA GTCTCTAAC TTTTTTTTTT
168301 TTTTTAATG AGACGGAGTC TCACTCTGTC ACCCAGGCTG GAGTGCAGTG ACGCTATCTC

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168361 GGCTCACTGC ACCTCCGCC CCGGGTTCA AGCGATTCTC CTGCCTCAGC CTCCCGAGTA
 168421 GTAGCTGGT CTACAGGTGT GCACCACTAC GCCCAGCTAA TTTTTGTATT TTAGTAGAG
 168481 ATGGGGTTTC ACCATGTTGG TTGGCTCGAT CTCTTGACCT TGTGATCCAC CGGCCTCAGC
 168541 CTCCCAAAGT GCCAGGATTA CAGGCATGAG CCACCGTGCC CAGCCTCTTT TTCTTTCTT
 168601 ATAAGACAAG TTCTCGCTCT CTTGCCAGG CTGTAGTGGA GGGCAGTGGC ATGACCACAG
 168661 CTCACTGCAG CCTCGACCTC CTGGGTTAA GCAATCCTCC TGCCCTACCC TGGCAGAGTG
 168721 GCTGGGACTA CAGGTATGTG CCACCATGTC CAGCTAAAGT CTTCTCTCCA GAAAGAAGAA
 168781 ATGCATTGGA ATTAGAGGA TACACAAACA TCTAGCTGTA TAGCTAATAC AGTAGCCACT
 168841 ATCATGAGTA GGAATTAAA TTTAACCTAA TAAAATTAA AATGAAAAAA TTCAGTTTT
 168901 CTGTTCCAGT TGCCACATT TGATTGCTTA ATAGTTGCAT GTGACTAGTG GCTACATAAC
 168961 AGCCTCAATA TACAACATTC TGTTATCACA GAAAGTTACC TTGGACCAAG TGCTGGAGA
 169021 AGCAATGCAG GCTTCCTCAC AAAAGCTGTA AAAGAGAGAA CTCAGGGAGT GTGAAACTCT
 169081 TTCCTATTCT AGTTAACCTTC AAGAATAATT GTTACCGAGG CAGCACGGTG GCTCACGCCT
 169141 GTAATCCTAG CACTTGGGA AGCCGAGGCG GGCAGATCAC CTGAGGTCAG GAGTTTGAGA
 169201 CCAGCCTGAC CAACATGGCA AAACCTCATC TCTACTAAA ATACAAAAG TTAGCTAGAT
 169261 GTGGTGGTGC ACACCTGTAA TCCCAGCTGC TCAGGAGGCT GAGGAAGGAG AATGACTTGA
 169321 GCTCCGGAGG GGGAGGTTGC AGTGAGCCCA GATTACACCA CTGCACTCCA GCCTGGGTGA
 169381 AAGAGCGAGA ATCTGTCTTA AAAAAGAAAAA AAAGAATAAT TGGTACCAAG ATTACTCTT
 169441 GTAATTAGTA GTAACACTTA TGCAATTGGG TGATCTGTGA CAGATTCCAT TGAAGGAGTA
 169501 TGGGGAGCTT CACCCCAATA TATGACTCCC TGGTATAATG AGTATTGTGA ATTAAAGGCC
 169561 CTTAGAGATC AGCAGATGCT GGAAGAGACT TTCCCTCAT CTACATAAAG ACCAGTCACA
 169621 CTAGACAAGA AGAACAAATTG TTTTCCTTC CAACCCCTAT TATCTCATTT TGTACTGAAG
 169681 AAAAGAGGAC TAAGAATGTAA ACCAGACCTA ATCAGACACT TTCACAAAAT AATGTCTGTC
 169741 TCTCAGGCTC ATTCAATTTC CAAAGAGAAC CATTACAAAG TTAAACTCTG TTCCCTCCATT
 169801 CATTCACTCCT CCCAAATATT CATTATTCT CCCTAGTAAT CATTACTGC CCCTCAAAGA
 169861 ATTACCTATA TTCTCCTGAT ATCACCCCTC CCCTCTGAAA TAAATATGTAA TACATATGTATA
 169921 AACGTTATAC ATACATATT TACAGTATA CATACTATATT TATACATACA TACATATGCA
 169981 TACATATTAA TATTTATGTAA TTTATACATA AGTATTGTAA AATAAGGCTA TATAAGTATC
 170041 TACCCCCATT GGCAGAGGGG GTAATCACTC TGTGATTCTA GCCCCATGTAC TTGTTAATAA
 170101 ATTTGTATGC CTTTTCTCCA ATTAGCCTGC CTTTTGTGAG TCGATTTC AGTGAACCTC
 170161 AGAAGCAAA GGGGAAGTGT TCCCTTGGCT CCTACACCCT CATGACAATA AAATTGACT
 170221 CCACCTCGAC CCCCCCCCAC CCCCACAAAG ACAACAACC AACACTGGTT ATAAGGTGC
 170281 GTTGTTTTT GTTGTGTTT TTGTTGTTGT TGTTTTGCT TTCAGGAGCA GAGGTATAAT
 170341 AGGCAAAAGA AAGAGAAAGG AGAATAGTGA ATACCTCTTC TGCAGAGAGG GGTGCCTAAG
 170401 TGGGACTTCC CTGGCTAATA ACGTCTTGCT AGAGACCCAA CCAGGAGGAT AATGGAAGCA
 170461 ATCAAGGCAA CCAGAACAC CAGAAGAAC CAGAGTATCCT TTGTTGCCCC TCTCCCTAAA
 170521 CTGAGGGAAT AAGAATTGGA AAGAAGGCTG CAGAGCAGAG GGTTGCTCC TGAGGAGCAG
 170581 TTATTCTAT GGGATCAGAG CTCCTGCAGA ACTGGGGAGT TTACTTTAC TATCTCTTCT
 170641 CCAGGACAGG ACCTATCTCA AGAGACATGT TCAGAGTGTAT TGCAACATAA AGAGTTTGCA
 170701 GACCCAAGGA GGTAGGGAAAG GCAGAAAGAA GATGGGGAG GCCAGGGATA GGCAACAGAG
 170761 GAGTGACCAG GAGCAGAAAAA GCCTGCTCT TCTGAGAACCC TAGCTGGCT CTCCCTGTAC
 170821 CCCCCGATCCC TCCCCCCCCGC CCGCCCCCAC ACCCCTACTC CTGGGAGCTC CTCTAGGACA
 170881 GGGGCAGAGT CAGGAGGAAG TTTGAAGAGT GCCTAGAATA AAAAACAGTA ATTAAACTAC
 170941 AATTACCGGG TAGGCTGTTT TCCTCTCACA ATTGTACAG TCTCTGAAAG CCACACAGAA
 171001 TTTCTCTGA AGACGTGTAT TCCTTGGCAG GCTATTCTC CCAGTGATAC ACCAGGCC
 171061 TCTCTGCTGG GGTCACTGCT CTTCTGGGA GATGGGGCTC CCCTCCTTCC AAGGCTCCAG
 171121 GGTTCTGTC CTGGGCCCA CTCATCTAAAG TTCTGAAATCT TCTGAGATTG GGTGTAAAGT
 171181 CTGGTGAAG AAAGAGCAGG AAAGAGGTGA GAGCTGTAA ACAAAAGAAAG TCCTGACCAG
 171241 TTTCAGAGTT GGAGGGGCC TGCTGTCACG AAATATATTC CCCACCCAC TTGCCATCAG
 171301 TACACACTCA CATATCCACT GAGAAACCT TAGCCTGGAC CTTTCCGTA ACCTTCACTG
 171361 CTCAGACACT TACATATTCC CTGCTAGTCC CCTCTGTTGC TGCCACTTCC TGGGTCAGGA
 171421 AGTTAACTCA GACCGGATTAA AACTGAGAAG TGAAACTACT GTGGGAGGCG GGGCTCATAA
 171481 GATTAGGAG AAAACTAGTG ACGTTGTTCA TATCATTGCA ACTCCGCCTC TCCGGTAAAG
 171541 GAGGGGAAA CGTAGGAAGA AAATATCCTT CTTTACAGC AATAAAAAGA AGGAACCAAT

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171601 TAATAACCCT GTAAACTATC ATGTGACCCC AACACAGAGT ATCTAAAAAC AGGAAGCCTG
 171661 CAGAGGTTCA GTTCACAGAC TCTGATTGA GATCTTCTA CTTTGCCAC CAACTCCCTT
 171721 GGGAGTCCTT AAGCCTTCCT AGCTGATGTT ACTTCTTTG CTATTTATGG GTTGCTTGTG
 171781 GTTCTATAAC TGCTCTGAAG GGTGTGGTGG AAAAAGGGGT GGTAAACAGCA GTAGGACTCA
 171841 TTGGCATCAC AAAATTCACT TGAGTCAGCT TTCTATTCTT CTCTGTCCCC TTCTGTGTCT
 171901 TGTTTTCTC CTTGCTGTCC TTCTGCAGGA CTCAGATCTT CTTCAATAGC GAGGGTCAGC
 171961 CAGGATAGAA AATGGGAGTC ACTAGTGGCC CAGCAGTGAG TGCCCCCAGC TTAGAGCTGT
 172021 GTGGGATCCC TGGGACCATC ACTCTGCTT GTGCTTGTG GAGAAAAGGC TGTGGGTCC
 172081 AGGGTCAAGT CCTTAATGAC TTAGCTCCAG CTTCTCCACT TCAAAATGAA AGGAAAAGTA
 172141 CTATCACCA CCGTTAGAAT TATTATTCA TGgggaaaaa AGATGGATTA CTATCTCAC
 172201 ATAAGAGCTT GTCACATTAA TAAGTCTCAG GTGTAAGAGG CATTATGAT ACAACATAA
 172261 TAAATGCTGG CTTAAGTAGA TGCAGTGGTC CAAGGGAAC AGTAAGGGGA GCTCAGGACA
 172321 CAGGTGGGAG GAGAAATTAA ACTTGAATTG TGGGAGCCAC TGGCCTGTCT GGGCCCTGG
 172381 CCTGCCTGCT GACCCGTATA GCCAATGGAA CATGGAGTTT GGCCCCAGCTG CAATCCCTCT
 172441 GGTCCAACTA CTCAAAATAA AGGCAAGATT GGGAAACACG TTCCCTTCTT CCTATACCAA
 172501 GCAGAAGACT CTTCAGCACT GCACCCCTCCT GGGTGTCAAG AGAGCCTTCT GTTGTGTTGC
 172561 CACCTACGAT TCATCATGCC CTGGCATGAT GTTGCAGAC CCCATGCATA GCATGGGACA
 172621 TTCTACTCCT GAGGCAACCA GCACACAGAG AGAGGAGAAA GAATGAGCCC CTGAATCCTT
 172681 GGTCCCACGA TGAGTCCTTG CAGATATCTA CAACTTTCAT TGTTGTGGAT GTGACTCTGT
 172741 ACCCAGGCAT GGCTCATTCC AGATCTGTCC TATTGTCAAG GGTGTTCAAA CCAGAATGAC
 172801 TCCATTGATG ATGGGGGCTA GGTAAAATAA GGCTGAGACC TACTGGGCTG CATTCCCAGG
 172861 AAGTTAGGCA TTGTAAGTCA CAGGATGAAA TAGGCAGTTG GCACAAGACA CAGGTCATAA
 172921 AGATCTTGCT GATAAAACAG GTTGCAGTAA AGAAGCTGAC CAAAACCCAC CAAAATCAAG
 172981 ATGGCAACAA GAGTGGCCTC TAGTCATTCT CATTGCTCAT TATACACGAA TTATAATGTG
 173041 TTAGCAAGTT AGAAGGCATT CCCACCAAGCT CCATAGTGGT TTATAAATAC CATGGCGATG
 173101 TCAGGAAGCT ACCCTATATA GTCTAAAAG GGGAGGAACG CTTGGTTCTG GGAATTGCC
 173161 ACATCTTCC CAGAAAACAT ATGAATAATC CACTCCTTGT TTAGTACATA ATCAAGAAAT
 173221 AACTGTAAGT ATCTGTATTA GTCCATTTC ACACTGCTGA TCCAGACATA CCTGAGACTG
 173281 AGTAATTAT ACCAGGAAAA AATGTTTCAT GCTCTTACAG TCCCACGTGT CTGGGGAGAC
 173341 CTCACAACCA CAGCAGAAGG CAAGGAGGGAG CAAGTCAGGT CTTACATGGA TGGCAGCAGG
 173401 CAAAGAGCTT GTGCAGGGAA ATTCCCTTCT ATAAAACCCT CAGGTCTCAT GAAACTTATT
 173461 GACTATCATG AGAACAGCAG TATAAATTAC TCAGGGAAAG ACCTGCCCCC ATGATTCAAT
 173521 TACCTCCAC CAGGTCCCTC CCACAATATG TGGGAATTAA AGATGAGAGT TAGGTGGGGA
 173581 CACAGCCAAA CCATATCAGT ATCCTTAGTC CAGAAGCTGA TGCTCTGCCT GTAGAGTAGC
 173641 CGTTCTTTA TTCCTTACT TTCTTGCTT CACTTTACTG TGTAGACTTG CCCCCAAATTC
 173701 TTTCTCACAC GAGATCTAAG AACCTCTCT TAGGGTCTGG GTTGGGACCC CCTTTCTGGT
 173761 AACACTATCA AAGGATCAGG AAAAGGAAGC TAGTGAATGC TAAAAAGGAA ACAAAACTACC
 173821 ATTACCAATA ATAACAGCAA GACAAAAGCA AAACGGATTG TGACAGCTGT CCCATCTCAC
 173881 ACCTGTTCC CATTGCAGGA AGGAGGGCT GTTGCATGCA CAGAGTGGCC AATATTAGAA
 173941 GCAGAGATGG GGTGCAGATG AGACTTCAGG AATATGTTGA CAAAGGCAGG CCTAGGGAGA
 174001 AATCAACCTG AACTATCCCC AAGGAGGAAT GCATTATCTC TAATATGTA AGTTAGGCTT
 174061 GATCCTGTGA TTATGGGATA TAGGAGTCCA AAGACTCACA ATGGGAAGTA GGTCACTAGA
 174121 GTCTCCTCA GAAGCTCTGT ACTGTGTGTT CCCACTGTGG GCAAGAGTC GCACTCAGCT
 174181 ATTCCCTAGAA TGCCCTTCTC CAACTCCTTC AGATTTGCC TCTCAACTAA CCCTATCCTG
 174241 ACCACTTGTG AGCAAGTGTG CCCCTCTCTC CCTCCCAAAC ATTTTCAAAT CTATTTGTG
 174301 CCCATGGCAC TTATCACTGA ATATTTACT AATTTATTTT GTTGTGTT TGCTTCCCTC
 174361 ATGAGAATGC AAAGGGATGG ATTTTTTCA ATATTGTTCA CTGATGAATC CCAGTAAC
 174421 GAATATTCT AAGCATAGTG ATGTGCATTA AATCAAAGAG TAACTTCTG AATTGCACTA
 174481 AACACACATC ACAAGAGGTG TGTGCACATA TGTGCATGAT GCACGTAGTG TGGTGTGGGT
 174541 GTTGTGTGGG GTATGTGGTA CTGTGTGTGC TGTGTGTGGT ATGTGATACA TAGTTGTGT
 174601 TAGTGTGTG CATGTGATGT GGTATGTGTG TGCGTGTCCA TACATATTAG GGGTGGCGGG
 174661 GATGTTAATA TGTCAAATGG TACTAGAAAAG TATCAGAACT CATGGTGCTT ACTGGTTCC
 174721 CAGAGACCTG CTTCTCTCCC ACCTGTAGGA TATACTGATG GTTGGACAG AGAAGAAATA
 174781 AAAAGAAGGC TGTGACCTAC TGGGCTGAGG AAATAAAAAC GAAAGTAAAAA GAAGAGCTGG

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174841 GAAAAGAGAG TGGAGGGGCC AAGGGAAATT TCCCCTTGG CTTCTGGGA AACTTGCTG
 174901 AAAAATCAAC TCACAAATT ATTACATGT ACACAGGGAG AACCATAGAA TGATTATCCA
 174961 CTTCCCAAGA GGGCTTAAAA GCTTATATAT TATCCTGGCA AAACAGATTA TGGGAGGGGA
 175021 AGAAGAGAAA CTCTGTTGAT GGGATTACTG TTGCGGATT TTGCTCCTTC GCTCAGCTAG
 175081 GTCCGGTTT TTGTCACA GCCAGGAAGA ATTAGGCATG CAGCCATCAA AGAATGAGTG
 175141 GAGTAGAATT TATTAAGTGA AAGGAAAGCT CTCAGCAAAG ACAAGGGTCC TGAAAGCAGA
 175201 TTTCTGGTT GCTCTTCACA GTTGAATACT AGGGCTTAAG ACTCAAATTC CTGACAACTC
 175261 CACCCGTCC TACCAGTGCA TGCAGGCCTT TAGACTGAGC TACTCCATAT TGATTAATT
 175321 CCTGAACGTG GCATGTGTTA AGGAAAGGAA TCATCCACTG CAGGCATGTT TAGGCAAGCC
 175381 CCCTGTGCAA GTTCCCTTAT CTGCACAAAA CATCCGGTGT AAGCACTTGT GGGGCAGGTC
 175441 AGAGGTTCTC TGGGTACCAT TCCCTACTG TCTGCCTAAA GCAAGCTGGC CAACTCCTT
 175501 CATTACTAGG GAGAGTAAGT AGATCAGGGAA ACAGAGATTA ACTTGAACAT TATCTGTGA
 175561 AAGTCGGTC GGGCATGGTT ACATTCTGG TCTTACAGGA AGGGTAAATA AAAATAATTG
 175621 CTCTTTTGG TGGGTCTGGA TCTTAGGTAG ATAAAGAAAC TTTAATTCCA CGATGTGTTT
 175681 TGGTAGGGAT AGTTGGTGGC AGGGATGTCA GAGAGACTTT GAGGCTTCTT CAGTTCAATA
 175741 TGACCAAGGG CCATATATTA GGGTATCAAT TTCTGAGCCC CAACAAGAGC TTAGGAGAGA
 175801 TGTGATAGCA TCACAGTGTG AAAGCAATT TTTGTTTGT TTTAGAGACA GGCTCTGCA
 175861 CTGTCACCCCT GGCTGAAGTA CAATGGTACG ATCACAGCTC ACTGTAATCT TGAACGGGT
 175921 TCAAATGATC CTCCCATCTA AGCATTCAA AGTGTGTTGGG TTACAGGCAT GAGCCACGGT
 175981 ACCCAGCCTG AACTGCACC CACTTCTGA TAAACTTTTC AAATGACTAA AGGGGAGAGA
 176041 GTAAGCACTA CTCAGAGGTA GGAAGAAAGG ACACAGGATT ATAGGATTA ACAACAACC
 176101 ACCAAAAAAA ACCAGACCGG TGTGGTGGCT CACACCTGTA ATCACAGCAC TTGGGGAGGC
 176161 TGAGGTGGGG GGAGTCACTG GAGGCCAGGA GTTCGAGACG AGCCTGGCA ACATAGCAAG
 176221 ATGCTGTCTC TATTAAAAAA AAAAATACC TGCTTGAGC TAATCAGAAT CATGGACCCCT
 176281 GACAAAGGAT GTCCCAAAGT AAGTCTTAGC ATTTTTTTTT TTTTTTTGAG ACAGTCTCGC
 176341 TGTGTTGCC AGGCTGAAGT TCAGTGGCGT GATCTCGGCT CACTGCAACA GCTGCCTCCC
 176401 AGGCTCAAGC AATTCTCCCT GCCTTCAGCC TCCCAAGTAG CTGGGATTAC AGATGCCAC
 176461 CACCAGCCT GGCTAATT TGTGTTTTT AATAGAGATG GGGTTTGCC ATGTTAACCA
 176521 GGCAGGTCTT GAACCTCTGA CCTCAAGTGA TCTGCCACC TTGGCCCTC CATAGTGTG
 176581 GGATTACAGG CGTGAGTCAC TGCAACCCGGC AAAGTCTTAG CATTCTTAC AACAGTTTG
 176641 TACCCGTATC TCTAAAAGGG AGTAGTGAAT TTCACCCCCAA AATGTGGCTT CCTGATATAA
 176701 TGAGTATTT GAATGAAAAA CTCTTAGAGA TCAACAGACA CTAAAGAGAC TTTCCCTAG
 176761 GTACATAAAA ATAGGATGGC CCCACCAGCG AGAACAAATTG TTCTTTCTC CCTCTCTGTT
 176821 ATCTCATTGT GCATTATAGG AAAGACCAAG AATGTAACCA CACCTGAACA GACCCTTTA
 176881 TAAGATAATC AGTCTCTAAG CATCATTAA ATTCCAAGGA GAACTATTAA CAAATTATC
 176941 TGTTCTTGA TCCAATTAGT CTCTCCTGGT AGTTACATAT TGCCCTCAA CAGAATTCT
 177001 CTTCTCTGT TTCCCATAAC CTATTGGCA AGGATCAAGC CCCTGTTATT TCTTCAACTT
 177061 CAAGGTGGCA TATAAGCTTC TAAATTCCAC TGGGATATTG GTACTATGTG CATGAGGAGA
 177121 ACCACAGAGT AATTAAATTG TAAAGCCTT TATCTTATGA ATCTGCCCTT TTTGTGTC
 177181 ATTTCAGC AAAACTTCCA AGGGCAAAAGG TATAAAACAA AAATAAAATT CTAAGCCCC
 177241 CCAACCACATCT GAATAGACTT TCTCTTCAGT CAGGCTTCTT AAAATGTAAC CTGAAAGACT
 177301 GGCTCAGGCC ATTAAGGGAA GTGGGGGTG AACATGCCCTC ATTATTCCCTC TCTGGCATT
 177361 ACATCAACAC AGCTTTAAG TCTGATAAGA AACATTTCAC AACCTATTCT CTCTGAAGGCC
 177421 TGCTAGCTAA AAACCTCATC CCATAGTACA ACTTTGGTCT TCACAACCTG TTATCACAAC
 177481 CTAGTGCTCC TTCTTATTAA TCCCAAATCT TTATACAAAC TCAACCAATT GTCATCACCT
 177541 CCACCCCACT CCTCCGCTGC TTCCAGTTGT CCCGCCTCTC TGGACCAAAC CAGTGTACAT
 177601 TTCTTAAACG TATTGATTG ATGTCCCATG CCTCCCTAAA ATGTATAAAAG CCAAGGTGCA
 177661 TCCCAACCAC CTTGAGCGCT TGTTCTCAGG ACCTCCTGAG GGCTGTTCA TGGGCCATGG
 177721 TCACTCAAAT TTGGCTCAGA ATAAATCTCT TCAAATGTT TACAGAGTTT GGCTCTGTC
 177781 ATGACACAGA TGACTGCTTC ACTGAAGCCT GCTCTGGAAG TGAGTGGGG TTTTGCAAGG
 177841 ATAATTTCAC CCGGATAGCC CCAGAAGCAG CTAGTAATAA TACACTTAAA GGTAGCTAA
 177901 ATGCATTGAA CACTTGTGTT GTGCCAGACC TATGTCAACA TTTGCTTGT GCCAGGCTTA
 177961 TGCCAGTACT CCTGATTTGT TAATACATTC TAAATAAAAA TTCTGGAGTT TCAAATATAA
 178021 TAACTGAAAA ACAGAAAATA AATAAAAATA TATAATAACT GAAATAAAAA TTTACTAAGG

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178081 CTGGGGATGG TGGCTCACTC ACACCTGTAA TCCTGTTACC GGAAAGGGGT CCGTCCAGAT
 178141 CCAGACCCCAGA AGAGAGGGTT CTTGGATCTC ACACAAGAAA GAATTGGGC GAGTCGTAA
 178201 AGTGAAGCA AGTTTATTAA GAAAGTAGAG GAATAAAAGA ACGGCTACTC CATAGGCAGA
 178261 GCAGCTCTGA GGGCTGCTGG TCGCTCATTT TTATGGTTAT TTCTTGATTA TGTGCTAAC
 178321 AAGGGTGGTA TAATTCATGC CTCCATTAGG TAGACCATAT AAAGTAACCTT CCTGACGTG
 178381 CCATGGCATT CGTAAACTGT CGTGGCGCTG GTATGAGCAT AGCAGTGAGG ACGACCAGAG
 178441 GTCACTCTCA TCGCCATCTT GGATTGGTG GGGAGCAGTG AGGATGACCA GAGGTCACTC
 178501 TCATCGCCAT CTGGATTG GTGGGGTTA GCCAGCTCTT TTACTTTTTT CTTTTTTTT
 178561 TTTGCCAGG CTGGAGTGCAGTGGCACAT CTCAGCTCAC TGAAACCTCC AATTCTGAG
 178621 TTCAAGCGAT TCTCGTGCCT CAGCCTCCCA AGTAGCTGGG ATTACAGGCA TGTGCCACCA
 178681 CACCCAGCTA ATTTTTATA TTTTAATAG AGACCGGGTT TCGCCATGTT GCCTACGCTG
 178741 ATCTCCAAT CCTCGCCTCA AGCCATCCAG CCACCTTAGC CTCCCCAAAGT GCTGGGCTTA
 178801 TAGGTGTGAG CCACCCCCACC TGGCCTAGCC GGCTTCTTTA CTGCAACCTG TTTTATCAGC
 178861 AAGGTCTTAA TGACCTGTAT TTGTCGCCCCTG CTCAGCTGCTT CTTACAAATGC
 178921 CTAACCTACA GGAATGCAG CCCAGCAGGA CTCAGCTTA TTTCACCCAG CTCCTATTCA
 178981 AGATGGAGTC TTTCTTGTTC AAATACCTCT GACAAGCCCCAACACTTGGG AGGATGACAC
 179041 AGGAGGATTG CTTAGCCTA GGAGCTCAAG ACCAGCCTGG GCAACACAGT GAGACCCAT
 179101 CTCTAAAAAA AAAAATACAA AAAAATTAGC CAGGCATGAT GGTGTGTGCC TGTAGTCCT
 179161 GCTACTCAGG AGGCTGAAGT GGGAAAGATGG CTTCAAGCCCCA GGAATTCAAG GCTGCATTGT
 179221 CAGAGGCATT TGAAACCAGAA TGACTCTATC TTGAATAGGC GCTGGATAAA ATAAGGCTGA
 179281 CACCTGCTAG GCTGCATTTC CAGTATGTTA GGCATTCTTA GTCACAGGAT GAGATAGGAA
 179341 GTCAGCACAA GGTACACATC ACAAAAGACCT TGCTGATAAA ATAGGGTGTG GTAAAGAAGT
 179401 TGGCCAAAAC CCATCAAAC CAACATGGCC ACCAAAGGGGA CCTCTGGTTG TCTTCACTGC
 179461 TCATTATATG TTAATTATAA TGTATTAAACA TGCTAAAAGA CACTCCTACC AGCATTGATGA
 179521 CAGCTTACAA ATACTGCGGC AATATCTGGA CTTTACCTTA TATGGTCTAA AAGGTGGAGG
 179581 AACCCCTCAAT TTTGGGAATT GTCCACCCCT TTTTGGAAAT GCTCATGAAT AATCCACCC
 179641 TTGTTTAGCA CATAATCCAG AAATAACTAT AAGTATGCTT ATTTGAGCAG ACCACGCTGC
 179701 TGTTCTGCCT ACAGAGTAGC CATTCTTTA TTTCTTACT TTCTTAATAA ACCTGCTTTC
 179761 ACTTTACTGT ATGGACTTGC CCTAAATTCT TTCTTGTTG AGATCCAAGA ACCCTCTCTT
 179821 GGGGTCTGGTA TCAAGACCCC TTTCTGGTAA CATCTTTCTG GTGACCACGA AGGGACAATA
 179881 CTGAGGAGAC TCTGAAGCCA AAGGAAACAG ACTACAGCAC CAACTGGCTG ACTTTGGGTA
 179941 AGTGGTGGAG TCCCCGGGTA AAGGATAGGA TTGGGTTAGA GGTGCAACTT AGGGGAGATA
 180001 GGGTCTCTCC TAAGACAGAG AGGGTTTCAG TCCGCTCTTA ATAAAGGGCA AGAATGCTTG
 180061 ACCGAACCTTG GTTTGAGAC CCAACTTAGG AAGGCTACAG TCCTTAAGAT TTAAGGGTT
 180121 AGAGGCCCT CTCAGTAAAG TCTCTCTTGG TTAAAAAACGG ATTTAGCATT AGGGGATGTT
 180181 AACTGCTATT CTGTTGTAT TAATCTCCCC TGTCCTCTT GCTGACAGCT ATGGGTGACA
 180241 GGATTAGGCA TGTACAGGAT CACGGGACAT TGGAACCTTT TCTTCCTC AAAAGGGAA
 180301 GCTTGACAGC TGATAGGACT GTTGGAAAAG ATCCCTTTGC TATGACAAGC AGCCGCTGA
 180361 ACTTTGATT CAGTGTGCT GCAATGGGTG GGTCTTCTC TGGCCTCTGT GAACTCCTCA
 180421 CCTTCCCCAT CTCACCCACAG GCAATGCTTT TCTCCCTTTC TCTCTTTCT CTTTCTGTC
 180481 TTTTCTGTTA CTTGAGACAA CCATCTGCC CAGAGACCAT ATGTTGAAAC TCCTGGTCAG
 180541 AAGTTTGATT AAAGATGAAA GGGCCTATCT GGGGGCAAGT TTGAGCCTTC CCAGTTAGAT
 180601 ATTGGGTGCT AAGTGGAGTG GCCAATGTCT ATGTTTTGTC ACATGTATAT TGCTCTGGCT
 180661 GAAATGGAAA ACGTTAATTG GTTACTTTA TGTCGCCATT GGGCAGCAGTTACAAAAGT
 180721 GAGAGACATT TATTGCGCTG TGGTTCCATG AAACAGAAAA AAGTTGGTTT TCTTTGTGT
 180781 CGTAGCTTGG ACCCAAGGGC TTTGCAGTGA GCAAGGTTGC TAGTGTGCT CAGTGAAGA
 180841 GAACCCAGAA ACCTGGCATG CCAGCAAAG GTTAAAGATT TCTTACCAAGT CAGGCTTCTG
 180901 GCCTCTCTCT CTTAGTGTAA ACTGAATGAA TGTTAAAGT CACTGTTTACCTCTGT
 180961 AAGTTTGAT TAATGGGAAC AAGGATTGT GGGGCTAGTC TTAAGCTGTA ATGAATCTGG
 181021 TATACTTTGT GATATCAATT TGTCTTCTG TATTACTCTG TCATAAAAGAG GAATATGGTA
 181081 GGATAGAACAA TGGGCTCAGG ACTCCATAAG CCTGCTGTT AAGCCAGCCC AGTAAACTGG
 181141 TCCGTTGCAA AGTTTATTAC AGGTCCCTGG AAAAAAAA AAATAAAAAC TGGATGAAGT
 181201 TTCCCTCTCA TCTTGTGTTA TGTCCTTGG AGCTTCACCT TGTAACCACG TGGCGGTACT
 181261 TTCTCTTGGT CTCTGCCATC CAGGGAAACAG GAATTTGGG GTTATGTAA TAGTTAACTC

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181321 TAAAAATTAT CTCAGCCAT TGCAAGCTCA AAATTGGCTG CTCTGGACCC CTTCTGGAA
 181381 GGGCAATGGA AACTAACAG TGTTGTAGCT CAGCAGCTAA GGATTGTCA TTTTATAATG
 181441 CGGGCCAAGG TTCAATCCTG GCTTAGGGAA TGAGTACTTT CTGATTGATA TCTGTGTGAC
 181501 CTTTACCAT TGTGATTCT GTTCTCTTCC CCTCCACACA CTGTCCTGAG TTTTCCTCTC
 181561 TCTGAGAAC TGGGAGATTA TCTTGGTAA AGTTCAAAAG CCAGAAATAA TGGCCGTGTG
 181621 GGATGGCTAA AGTGAGTAA TAAGAAACTT AAAAGGACTC CTTTTTTTT TGCTTTAGAG
 181681 TGCTATGGTT TATGGTTAAA AGCTTAATTAA AAAGTGGATA TTCAATCTCT AAAAGCCTGG
 181741 GACTCCTTGG GAAAAGCAGA GGAGGCACCA CAGACCCCAT TTTGGGAAAA CCTCTGTTT
 181801 CCTCATGAAA CCCCAGGAAC TGGAAAGTGG TAGATCCTTC GCAAAATCTA AGGCTCTGTT
 181861 TGGCTTGCA TTATGTTATC TGATGTTTT GACTTTGGG GGTATCAGAA ATTACTTGC
 181921 ATTATGAGGG AGATCTGGT TGTAATAACC AGGTAGGAA TATACTTCTG GGGATAGCTA
 181981 AAGGCAAATA TAGGTGAATA CTTGGCTATT TGCACTTTG GATCACAAAGA AGCATTCTCT
 182041 TGACTACCTA GAAGGTATGG AAATGTCTCC ATCCCCACCG AGAGATAAGA TTCCCAGGGG
 182101 AGATGGCTGA TCCCCAAAAA GAGGGCTGAT TCCCTCTTT GGGATCCAGG ATCTGGTATA
 182161 AAAATGGGAC CCTGGCCAGG CACAGTGGCT CACGCCGTGA ATCTCAACAC TTTGGGAAGC
 182221 CTCAGAGTTA TGAATGTCTC ACCATACTGA CACTTTGTGA CTGAGCTCCT CTCTACCCCTG
 182281 GACACAAGAG ACCCTAATAA TTAGACAGGA ATATCATTGC CCCTATTTAG TCTGAAGAAG
 182341 TTATAGAAGA CGGATCTTA TCCCACGTCA ATCCTTAGGA TTAAGGGTTC CCTGGTAAA
 182401 GGGAGTGGGA AAATATGTCA GAGGCATTTG AATCAGAGTG ACTCCATCTT GAATAGGGC
 182461 TGGTAAAAT AAGGCTGAGG CCTGCTGGT TAGGTTAGGC ATTCTAACCA GGAGTTTAGT
 182521 CACAGGATGA GATAGAAGGT TGCACAAAGGT ACCCGTCACA AAGACCTTGC TGATAAAA
 182581 GGTAACGGTA AAGAAGCCAG CTAAGCCCA CCAAAACCA CATGGCCACA AAAGTGACCT
 182641 CTTGTCATCC TCACTGCTCA TATACACTAA TTATACGTCA TTAGCATGCT ACAAGACACT
 182701 CCCACCAAGT CCACGACAGT TTACAAATAC CATGACAACA TCTGGACGTT ACCTTATATG
 182761 GTCTAAACG GGGAAAGAAC CTTAGTCTG GGAATTGTCC ACCTCTTCC TGAAAATT
 182821 TTGAATAATC CATTAGTTA GCACATAATC CAGAAATAAC TATACGTCTG CTTATTTGAG
 182881 CAGTCCATAC TGCTGCTCTG CCTATGGAGT AGCCATTCTT TTCTTTTATT TTTATTTTT
 182941 AGATAAAGAC TCGCTCTGTC ACTCAGGCTG GAGTCTGGAG TGCAGTGACG TGTTTGGCT
 183001 CACTGCAACC TTCACCTCCC GGGTTCAAGC AATTCTCTG CCTCAGCCTC CCAACTAGCT
 183061 GGGACCACAG GTGGGTGCCA CCATGCTGG CTAATTTTG TATTATTAGT AGAGATGGGG
 183121 TTTGCCATG TTGCCAGGC TGGTCTCGAA CTCCCTGGCCT CAAGCGATCC ACTTGCCTTG
 183181 GCCTCCCCAA GTGCTAGGAT TACAGGCATT ACCCACTATG CATGACCCAT TCTTTATTT
 183241 CTTAACTTT TTTGTTTTT TTGAGACAGA GTCTCACTCT GTCACCCAGG CTAGAGGCTG
 183301 GAGTGCAGTG GTGCGATCTT GGTTCACTGC AACCTCTGCC TCCTGGGTTA AAGCGATTCT
 183361 TCTGCCTCAG TCTCCTGAGG AGCTGGGACT ACAGACATGT GCCACTACAC CCAGCTAATT
 183421 TTGTATTTT AGTAGAGACA GTGTCTGCC ATGTTGTCA GGCTTGTCTC GAACTCCTAA
 183481 CCTCAAGTGG TCTGCCTGCC TCAGCCTCCC AAAGTGTGT GATTACAGGC ATAAATCACT
 183541 GCGCTGGCC CTTCTTACT TTCTTAATAA ACTTGTTTTC ACTTTACTGT ATGGACTAGC
 183601 CCCAAATTCC TTCTTGTGT AGATCCAATA ACCCTTTGT GTGTGAAAGA ATGTATTGCT
 183661 GCTGTTCAAGG CTGGAGCAAG CTGGAGCTCA TGCTGCTGCT CAGACTGGAG CATGCGTGT
 183721 CTGTGATCCC AGTAAGAGGA TCATGGTCAC TCCAGCCTGA ACGACAGCAT GATATCTCAT
 183781 CTGTAAGAAA AAAAATTAC TAGAGGGCTT TAACAGCAA TTTGAGCAGC AAAAAGAAGT
 183841 AATCAGTGA CTCAAAGATA GGTCAATTGA AATGATCTAC TCTGAAAAC AGAAAGAAGA
 183901 CAGAATGAAG AAAAAGAAAT AGAGCCTTAG AGACAGGGGA TACCATCAAG CATACTAATA
 183961 TATGCATAAT GGGACTCCTA GAAGGAGAAA AGTGAGAGGA CAGGGAGAGA GAATGTTGG
 184021 AGAAATAATT TCTCAAAGCT TCCCATGTTT GGCAAAAAG CATTAACCTG CATACTATATT
 184081 TTAGGAGCTC AATGAATTCC AAGTAGGATA CACTCAAAGA GATCCATACC TAGACACATC
 184141 ATAATCAGAT TATCAAAGA TGAAGAAGAT GAATCTGAG AGCAGAAAGA AAGGAACAAT
 184201 TCATCACATA CAAATAGTAC TCAAAAGATG TCTGGAGTAG GTATACTAAT ATCAGACAAA
 184261 ATAAACTTTA AGATAAGCAT TGTTATAATA AATAAAAGAAA GGTATTGT AATGATAAAA
 184321 GTGTCAATTCA TCAAGAAAA CATAACATTA TAAACATACA TGCACCTAAC AACAGAGCCC
 184381 TAATATTCCAT GAAACAAAAC TGACAGAATT GAAGGGAGAA ATAGAAAATT CGACAATAAT
 184441 AGTTGGAGAC ATCAATACCT CACTAGTTAG ACAAGATCAA CAAAAAAATA GAAGACTTAA
 184501 CACTTGAAAA CACCTAACCT GACCCTAAC TAAATCTATA GGTCACTACA CCCCCAAAACA

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184561 GCAGAATAAA CATCCTTCTG AAGCTCACAT GAAACATTTC TCAGGATAGA CTGTATATTA
 184621 CTTCATGAAA TAAGTCTCAA TAAATGAAA AGGACTATAA TAATAGAGTA TATATTCTCT
 184681 GACCAAAGTG GAATGAAGAT AGAAATCAAT AACTAGGCTG GGCGTGTGG CTCACGCCCTG
 184741 TAATCCCAGC ACTTTGGGAG GCCAAGGCAG ACAGATCAGC AGGTCAAGGAG TTTGAGACCA
 184801 GCCTGACCAA CATGGTGAAA CCCTGTCTCT ACTAACAAAAA TACAAAATT AGCCAGGCCT
 184861 GGTGGCATCT GCCTGTAGTC CCAGCTACTC GGGACACTGA GGCAGGAGAA TCACTTGAAC
 184921 CCAGGAGGCA GAGATTGCAG TGAGCTGAGA TCGCGCCACT GCATTCAGC CTGGGAGACA
 184981 GAGCGAGACT CCGTCTCAA ATTAAAAAAA AAAAGAAC TAGAAAAATA AGAACAAATC
 185041 AAACCCAAAG CAAGCAAGAG GAAAATGAAA AATTCTAAAG CAGCCAAGAA CAAAGGCAC
 185101 ATTATGTACA GAAGAACAAAG TGTATAGATC ACATATTTCAT CATAGACACA ATATAAGCAA
 185161 AAAGACAGTG GAGCAAAATT TTTAGATTA ATGAAAGAC TACAATTCTG TACCAAGCAA
 185221 AAAACTCCC CCCAAATGAG GGTGAAATAA GACAATTAA TACAGAGAA AGAGGAAGGA
 185281 ATTTATCTAG TCATATGTGA GAGTTTATG ATACATTTC TACTGTATAT GTGGATGTTT
 185341 TCTATTTCAT TTAAAAAAATC AACCGTGCCTTAAATGGTA GATTGTCTTG CTTCTTTTG
 185401 ATTGACACAG TCATTAACCA AAATATTGTA GTATTTTTT ATCTCCCTGC CTAAAGGCAC
 185461 TAAACATCTA ATCAGCAGAC TAGAACAAATA AAAATATT TTTAAAGTC CTTTAGGCAG
 185521 AATGATAAAA GTCCCTTAGG CATATTGAAA TTCCATTAA TACAAAGGAA TAAACAGTAC
 185581 TAGAAATTGT AACTATGTGA GTAAACAGAT AATATTTTT CTCCATAAAAA TGTGGTTGAC
 185641 TATTTTCACA AAAATAGTTA ACAATGTAAT GTGTGATTTA TAGCATTAA AAGTAAAACA
 185701 GGCCGGGCAC AAAGGTTCGT GCCTGTAATC CCAGCACTTT TGGAGGCCGA GGCCTGCAGA
 185761 TCACTTGAGG ACAGGAGTTC AAGACCAGCC TGCTAACAT GGCAAAACCC CATCTACT
 185821 AAAATACAA AAATTAACCA GGCCTGGTGG TGACGCCCTG TAATCCCAGC TACTCTGGAG
 185881 GCTGAGGCAC AAGAATCACT TGAATCCAGG AGGTGGAAGT TGCACTGAGG CAAATTATA
 185941 CCACTGTGCT CCAGCCTAGG CAACAGAGCT AGACTCTGTC ACACACACAC ACACACACAA
 186001 AAGAAAATG TATGACAACA ACAGTGCACAA AGAAGTGGAA ATGAAAATAA TGTTATTTA
 186061 TATAAGTGGT ATACTTTAG ATGAACATCG ATAATTAAT GATGTATACT ATAAACTCTA
 186121 AGGCAACCAC TGAAAATAATG AAACGAAGAA TTATGGCTAA CAAGCCACAA AAAGAAATAA
 186181 AATAGAATGA GAAAAAATAT TTAAGTGTGTT CAACAGATGG GAAAAAAAG AGGAAAAGA
 186241 GAACAAAGAA CAGATGGGAC AAATGGGAAA GTAATAGCAA GATGATAGAC TTAACTCTAC
 186301 CCATATAGAT TATCACACTT AAGGTAATG ATCTAAATAC TCTAATACAA AAGCAGAGGT
 186361 TGTCAGATTG AATTTAAAAAA ACAGAACACA AAAAAAAAG GCAAAAAAG AGCCACAACA
 186421 TGCTGCCTAC AAAAAATTCA CTTTAATATA AAGACACAAA TAGTCTAGAA CACCATCACT
 186481 TTTAACCTTA TTTACTCAAA CCTCCTGATC CCTATTATT TATTATTAA TTATTTATT
 186541 TATTTATTTA TTTATTATT TTTGAGACAG AGTCTGACTC TGTTGCCAG GCTGGAGTGC
 186601 AGTGGCACCA TCTAGGCTCA CTGCAGCCTC TACCTCTCGG GTTCAAGCGA TTCTCCTGCC
 186661 TCAGGCCCTCC CAAGTAGCTG GGACTATAGG CACATGCCAC CATGCCAGC TAATTATTAT
 186721 ATTTTTAGTA GAGACGGGGT TTTGCCATGT TGCCAGGTT GGTCTAAAC GCCTGACCTC
 186781 AGCCTCCCAA AGTGCTGGGA TTACAGCGT GAGCCACAGC ACCCAGCTCC TCTTCATTAA
 186841 TTCTTGCTAC GCTTCCTCCA ATCCATTAA TGATTTGAT GATTTGCCA GTAACCTCTT
 186901 TATTTTTCTG GTAAAATTAC TTATGGGTCA CTGAGGACTG GGATGTTCTT TCTTCTAGAG
 186961 GGGGTTTGTG TCTGCTTTG CCAGGAAGCT GGGGTACCAAC CAGTCAAGTA TTACTTTAAA
 187021 CTCAATTCTA GAATTGAGAC TTTTTTTTT TTTTTTTTT TTACGCAGAG TCCTACTCTG
 187081 TCACCCAGGC TGGAGTGCAG CGGTGTGAAC ATGGCTACT GCAGCCTCAA CCTACTGAGC
 187141 TCAAGCAATC CTTCTGCCTC ACCATTCTGT ATAGCTAGGA CTACAGGTGT GTGCCACCCT
 187201 GCCTGACTAA TTTTTAAAT ATTTTTTTA GAGATGGGGC TCACTTTGTT GCCCAGGCCA
 187261 GTCTCGAGCT CCTGGGCTCA AGTGTACCTC CCACCTTGGT CTCCCAAAGT GCTGGGGTTA
 187321 CAGGCATGAG CCTCTGTGGC TAGCCAAGAC TTTTTATTAA TTAGCCTAAA TGTGTATAAA
 187381 AGTTGGCTTG TGGTTACAAAC TTATCAGGAT TGATGATCTC TCTCTCTCTC TCTCTCTC
 187441 TCTGTCTCTC CCCACCTCTC TCACATCCCT TGCTCTGCTG AGAAGCAGAG CAAACATTCT
 187501 AGCAGTTCC AGAGAGTAGG ATGGGATTAC TTCTAGTTA CTTTTATCAT CCTTTGGGAT
 187561 CGCAGTATTA CTGGGAGAAC ACAAGTATCT CTTATTAGAC ATACCACTT TGTAGAATCT
 187621 GGACTTTCTA TTTAGACTTT ATTTGTTTCA TACTATAAGC AATTTAAGTT ACAGATCTCT
 187681 CTACACACTG TTTAAGTGTG ATCCCCATGAA TTTTGATGTG CTTTATGTGTC ATTATTATAT
 187741 AGTACAATGT ATTTTGTAT TTTTGAT TTGTTGGAG AGATTGATTA ATTAGAATGA

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187801 TGTTTAATTT CCAAATATGT GTGTTTTTT CTACATTCT TATTTTTATT GATTCAAAT
 187861 TTATTTCTAC TGTAGTCAGA TTTAATAATT CATTATTTT TATTATTTTC ATTTTTTTAG
 187921 AGACAGGGCC TTTCTGTGTT GCCCAGGTT GTCCCAAAC CCTAGTCCC AGCAGTCTC
 187981 CTGCCTCAGC CACCCAAAGT GCTGGGATTA TAGGCACGAG CCACCCGTGC ACAACCAACA
 188041 ATTCAATTAA AAAGTGGCA AGTGAACCTGA ACAGACATT CTCAAAAGAA GGCATACAAT
 188101 TGGCCAACAA ATATATGAAA GAATGCTCAA CATCACTGTA TTAGTCTGTT TTCATGCTG
 188161 TAATAAAGAC TTAACCTGAG ACTGGGAAAT TTACAAGAGA AAGAGTTA ATGGACTTAC
 188221 AGTTCCACAT GGCTGGAGAG ATCTCACAAAT CATGGTGGAA GGCAAGGAGG AGCAAGTCAC
 188281 ATCTTACATG GATGGCAGCA GGCAAGAGA GAGCTTGTGC AGGGAAACTC CCGTTTTAA
 188341 AACCATCAGA TCTCGTGAGA CTCATTCACT ATCATAAGAA CAGCATAGGA AAGACCCGGC
 188401 CCATAATTCA GTCACCTCCC ACTGGGTCC TCCCAGGACA CATGGAAATT GTGGGAGTTA
 188461 CAATTCAAGA TGAGATTGG GTAGGGACAC AGCCAAACCA TATAAATAAC TAATCATCAG
 188521 GGAAATGCAA ATCAAAACCA CAATAAGGTAA TCATCTCACC CCAGTTAGAA TGGCTATTGT
 188581 CAAAAAAACA AAAATAACA AATGCTGGT AGGATGTACA GAAGAGGGGA CTCTTATGTC
 188641 CCACTGGTGG AAATGTCAAT TAGCATAGCC ATTATGCAAAT ATAGTATGGA AGTGGAGTAG
 188701 GTTACATAGG GTGGTCACAG CCTCCCTTGA AAGGAAACAA GAAACTGTC AAATTGATGG
 188761 AGAGAACAAA TCTCTTGACA TTACACAAAC TGCACTGGG GCTAGTGGT AGAATATCCT
 188821 CAGTCAGGA GGTAGAAGAG CAGGAGGGAA AATCCCTAAG TTCGTCAAG TGCAGAAC
 188881 CACAAGCTGT GTTCTCAGGT TGACATATAC TCATTAAAT AGTAAGAAAC ACACCCCTGG
 188941 GTAGAGAATT AAAATGCTAA TAATACATGT GATGTATGTA CTAGCGTGT TGGCAATATT
 189001 GCATGCACAT TCAAGAGACC ACCCAAAACA TATTAAACAA CAATGCCAT TCCCACCCCC
 189061 TCATGGATAA TCACGTAGGA CTCCCATAAC GGGAGTTCT TCAGTGTCAA TTGGTGCTGA
 189121 AGTAGCCGAC CCTGACTCTG CTATCAGCGT GTACTTTAC CTTGCAATAA ACTCCTTGC
 189181 CTACTTTAC TTTGGACTGG CTTTCAAAATT CTTTGTGCA GGGAAATTCAA GAATCTGAC
 189241 CAGCCTACTG ACAACAGAGG TTTCTCAGAA ACTAAAAAAT AGATCTACCA GATGAGGCTG
 189301 AAAATCTGCT ACTGGCTATT TATCCAAAGG GAAGGAAATC AGTATAACAA GAGACACCTA
 189361 CATCCCCATG TTTATTGCGT CACTCTCAC AAGAGCTGAT ATATAGAGTC AACCTAAAT
 189421 GTTCATTAAC AGACAAATGG ATAGAAAATG TGCGATATAT ACACAATGAA ATACTATTG
 189481 GCCATGAGAA GAATGCAATC TTGTCATTTG TGCAACGTA GATGAAACTG GAGAACATTA
 189541 TGTAAAGTAA GATAAGCTAG GATTGAAAG ATAATACATCA CATGTTATCA CTCATATG
 189601 AAAGTAGAGA AAAATTTTA GCTCATGGAT TTAGAGAAC GAACTGTGGG TACCGGAAGC
 189661 TGGGAAGGGT AGCAAGGAGG GGAGGATAGG GAGAGGTTGG TTAATGGTGA CAAAATTACA
 189721 GCTAGATTGT AGAAATGAGT TCCGGTGTTC TGACCATTTG TAGGGTGCAT ATGGTTAACT
 189781 CTCATTATT GTATATTTC AAAAGCTAG AAAAGAAATT TGAATACTCA CAACAAAATA
 189841 AATGATAAAAT GTTAAAGGTG ATGGATATAC TAATTACTCT GATTGATTA TTACACATTG
 189901 TGTACACATA TAAAATATC ACTCTTATC CCGTATATAT GTACAGTTAT TATATGTCAA
 189961 CTAAAAATAA AAGAAAAAAA GAATATGATC TATCATGATG TATATATCAT GTGTACTTGA
 190021 GCAAAATGTG CATGCAGATA TTGTGTATAA TGTCTATAA ATCAATTAGC TCAAGATAAT
 190081 AGATAGGATT GTTCAGATCT TCTGTGTCTT TACTGATATT TTGTCTAGTT ATTGCATCAT
 190141 TACCAAAAAA AGGGTGTAA ACTCTCCAAA TGTGATTGTA GAATTGTCTA TTTGTCTTT
 190201 TCTTTCCAT TTTACTTTA TGTATTGTA AACTCTGTTA TGACATTGGT CTATGTATT
 190261 TAAAACCTCG TTATGTATT TGAAACCTG TTGTTAGAAT CATACTTTA TGATTATTAT
 190321 GTTTCTGTG TGAAATGACA CTTTCTATT GTCATTGTT TTGTTTTTC TGAAATGGAG
 190381 TCTCACTCTG TTGCCAGGC TGGAGTACAG TGGCACAATC TTGGTTCACT GCAACCTCCA
 190441 CCTCCTGGGT TCAAGCGAGT CTCCTGACTC AGCCTCCAAG TAGCTGGGAT TACAGGCATG
 190501 TGCCAGCATG CCAAACTAAT TTTGTATT TATTAGAGAC AGAGTTTCAC CACGTTGGCC
 190561 AGGCTGGTCT CGAACCTCTG ACCTCAGGTG ATCCGCCAC CTCGGCATT TTATTTTATT
 190621 TTATTTTTT GAGACAGAGT CTCACTCTGT CACCCAGGGT AGAATGCGGT GGTGTGATCT
 190681 TGGCTCACTG CAACCTCCGC CTCCCTGGTT CAAGCAATT CCATGCCCTCA GCCTCCCGAG
 190741 TAGCTGGGAT TACAGGCACA TACCACCATG ACTGGCTAAT TTTGTATT TTAGTAGAGA
 190801 TGGGGTTTT CTATGTTGGC CAGGCTGGCA ACTGACTCCT TTAACAAATAC AAAATATCAC
 190861 TCTGTCTCTG GTAACACTCT CTGTCTAAA CTCTATTAA GCTGTTATTA TTATAGCCAT
 190921 TTTAGTCTTT TTATGCTTTC TGTTTGATA GTGTATATAT TTTAATATGT TTATTCTCAA
 190981 GTTATCTGTG TTTTATATT TAAGATGTTT CTCTCTAGC CAACGTGTTT GGTTCTTGCA

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191041 TTTTTAAGTC GATTCTAAC AATCTTGCT TTCAATTGAA ATATTTACAC CATTAAACATC
 191101 TAACATTAAC ATTATTTTT CTTTCCACAG TACACTGGCT AGCATCTCCC ATATAATATT
 191161 GAACATAAAAG TGTGATAACT GACATCCTTA TTTCATTCCCT ACTCTGAGTG GAAAGGGCAG
 191221 GGGTGGAGAA AGCATTCAAC AATTGCCAT AATTATAATG CTTTTGTTA CACTGTTTC
 191281 TTCTGCATTA AAAAATATCA TTACATTGG CATGAATTAT TAGGAGAAAA TATTTTCCAA
 191341 TTTTCCTGGA AAATGCCATA ACCACGTCTC TCAATTGTT GTTCCATCTTT CTTCCACATT
 191401 TTACATAAAC TACATAAGAG ACACATTATC AAGTATATT TACATGGCTT CTCAGTGTCT
 191461 TCTCTGCTG CTAACAGGTT TACCAAGAGA TGGCACTCTT GTATTTCTGG TGGCTATGTC
 191521 CATATCGTT TGCCCTTAAG ACAGCGAAC TACTTCTTTC ACCAGTATTA AAGACATGTA
 191581 CATTGATCT GGTCTTGTG GATGATTAA AATGACTCAA GCTAATAATC CTAATTTTAC
 191641 CTAAACACTC CATTATTTA AAATGTATTC CTTTATGCCA ACAATAAAC A TTTATTGACA
 191701 TTAGGCTGGA CATTAGGCTT CTCTATGGCA GACATTAGGC TGGACCCTAG CCATATATCT
 191761 ATTGAGGGAA AAAAATTAT TTTCTATATA AGTTTCCAGA AAGCCAAGAT GTGTTTAAA
 191821 AACAAAACAA AACATTACAT TCTAAATGCT GTAACAAGAT AAGAAAAGT GTGAGGCTG
 191881 AGAGAAGAAC AAAGCAGCAA GCAACTCCTG GAAGGACCAC TGCTGCAGAG GTAATAACTG
 191941 GTGAACCATG TTTGGAGAA GGAAAAGGTC ACCAAGAGAA GGAGGGGTC CAGGGTGTTC
 192001 AGAAAGATTG CATGCATAAA GATCAAGGGT AATAAAAAAA ATTCCGTATT ATGTAATGT
 192061 GAAGTTCCAG GACCAGGAGC TTGGAGAGCA TGAAGTACAG GAGGAGGGTT GGTTTCAAAT
 192121 AAATCTGGGA ATGAAACAGT GAAGCCTCTG GCAGAACTCA CATCTCTTC CTCCCCCTCTT
 192181 CCTTGCACAT TCCCTTATG GAGTAATTGC AGGGATGGGA AAAGTCAAA ACCACCACTG
 192241 AGCCTAGGAA GTGCTAGGGT AAAGTGGAGA ATGAACCTGC GTGATTGCT CATCCTAAAC
 192301 TAGGTTCTTC TAGGAGAGCC CTTCCCCATA AAATCTGCC CTCCTGAAGG GGCCCAGACA
 192361 GCCTAAGCTC ACCTCCAAA GACCCCTTAC TTGCTGACTG AATCTGATTC CACCCAGACA
 192421 TGGCCTAAAA CCCTTCCATA ACTCTATAGC CAAATTCAAT TTTAGACAGG CCTCATACCA
 192481 ACCTTTCTTC CTCTAAGTCT GCCACCCCTAG GCAATTCTCA ACATTCTCTA CACACTTGG
 192541 GGCCATAGAC GTGCTACCAA GTCTCCAGAC CTAGACCTGA TGGAGCAGTG CTGTAATGAG
 192601 ACGACCACTG GCCTTGAAAC CAGACCCCTC TCTGTGGCTC CTATGCATCT CCAACCTGTT
 192661 TTGAGCACTG CTGCAAGAC ATCTTGGCA CTTGTGTTGTG AAGTTTAAA ACTGAACTAA
 192721 TCTACAAAC ACCTAACCTT TAAAAATTCA TTGTCATTTC ATATCATGAA AGATAAAGAA
 192781 AGGCCAGGAA ACTGTTCCAG GTTAATAGAG ACTAAAGAGA TAGCAACCAA ATGCAATTG
 192841 TGATCCTGGA TTGAGGGAA AAAGTGTGT CAGAGACATG ATTGGGACAG CTGGTAAAAT
 192901 TTGAATTGAA ATTAAAGAT AAAGTATTGA GTAATATAGG AAGATGATTA TCTGCAACTT
 192961 TCAAATGTT CAGTAAGTAT ATATATATAT AAAGAGATAT AAAGACATAT AAATAAATGG
 193021 ATAGGTAGAG AAAAAGCAA TGTATAATAT TAACAATCTA GGTAAAAAGT ATATGAGTGT
 193081 TCTTTGTA CTTTTCTGA TTTTTCTATA TGTGAAAT CATTAAAGTT TAAGAAGGTT
 193141 TTTGGGTTTT TTTGTTGT TTTTTGTTT TAGAGACAGC ATCTTATTCT GTCAACCAGGC
 193201 TGTAGCTCAG TGGCCCAATC ATTGCTCACT GCAGCCTCAA CTTCTGGC TCCAGTAATT
 193261 CCCCTTACCT CAGGCTCATG AGTAGCTGGT ACTTCAGGTG TGCAACACTG CACTCAGCTA
 193321 ATTTTTATT TTTAAATT TGTAGAGATG GCATGTTGCT ATGTCACCCA GGCTAGTCTC
 193381 AAACTCTGC CCCCAAGTGA TCCTCCCCACT TTGGCCTCCC AAAGTCTAG AATTATAGGC
 193441 ATGAGCCACT GCACCCAGCC CCAAATAAA AAGTATTAA TTTTAATTAA CTAATTAAC
 193501 TTGAGTCAGA GTTTCACCC TGTCAACCCAG GCTGGAGTGC AATGGCATGA TGGTGGCTCA
 193561 CTGCAAACCTC TGCCCTCTGT GTTAAAGCGA TTCTCTTGCC TCAGACTCCT GAGTAGCTGA
 193621 GATTACAGGT GCCTGCCACC ATGCCAGCT AATTGTTATA TTTTTAGTAG AGACGGGGTT
 193681 TCAGCATGTT GGTCAAGCTT GTCTCAAAC CCGACCTCA GGTGATCCAC CCACCTCCGC
 193741 CTCCGAAAGT GTTGTGAGC CACCAACCC GGTCTAAAAA GTATTTAAA ACCACAGTCC
 193801 CACTCTACCT TGTCTACAC TACCAAGGGC TAGGATCACC CCATGTCTTC TAGGCTATGA
 193861 GATAGAGGAA TCCAAGGAAG AAGATAAGCT ACTGGTTCC TCTATAGGGT CTTGTGTG
 193921 CTCTCATGTT CTCTCTCTCT CTCACACACA CACACACACA CACACACACA
 193981 CACATGAATA CCAGAGCTAT CACTTCCCA GTCTAGTACT CATCTCATCC CAAGGGTTTT
 194041 GTGTTGTAGT GGTTGCTA TTTCTTGTT TTGTTGTTT GCTTGGATTA TTCTTTTCT
 194101 CTTTTGCAAGGAG AATTTCCAGG CCAGCCCTTT GGCCATTAGA GTACAGTGC
 194161 CTCTATTCA GCTTCATAGA GAGACCTGGG ATTCAAGTAGT GGGGGCTTT TATCCAGTTC
 194221 AAAATAATGC ATTCTCACCA AGATGTACTT TGAAATAAAA CAATACTAAA ACACAAAATT

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194281 TTATTTATGC TGAACATTGA ATCACTTTT TCTGTATTT GTGTAGAAAG TTATACACAC
 194341 ACAAACACAT TTGCTCCTGC TTTGTTTATT GGCCCAGGG TATGTTGGT AATAACTTCAT
 194401 CAGGCATGAG TAGTACGTCT TGGAAGGTGT GGTCTAAAGC CTAGACTCCT ATCTGCTTC
 194461 TTCAGCATTC TCCAGTGTAT CTGTCATCTG TCTACCTTAG GATAGGGGTC TCCAGAACTT
 194521 CCATTACACAT TTAGAAGAGG GCAGCGGCTT TCTATGGAAA ATATGAACTC TCATTCATCT
 194581 CTATTCCTTC TTCTAGCTAT GGTCCAGCTC AGCTGTTGG AATAAAAGTAT CTATATGAAG
 194641 TCTGCGAATG GTTCTCAGAC TGGTTGAACA TTAGAATCAC CTGAGTACCT TCTAAAATT
 194701 TTATTACCCA GGGCATATCT CAGAATGAGT ACCGCAGGGT AGGGATAGGA TTAGGGATCA
 194761 TGATCTCTGG AGTCTGGTTT AGGCACTAGT GCTGTTAAA ACTACGTTCA TGAGGTGGAG
 194821 GTTGCAGTGA GCCGAGATGG CGCCACTGCA CTCCAACCTG GGCAGACAG TGAGAGTCTG
 194881 TCTCAACAAA ACAAAACAAA AAAAACCAAC TACCCCTGTT ATTGAAATGT CCATCCAAA
 194941 TTGAGAACCA TTAGGTAAGG CCAAGCTGTA TAATTAAAGA GCAGTTTCA TTTGTCTGGT
 195001 GTGGTGGCAG CTTTTGATA AGGGAAGTAT TGTTGCCATC CACATACCTG AGCCTCACTC
 195061 CTGAGAACAC TGGTGTGTAT GTTGCTAAAA TTCCCCAGGT GATTCTGAGG TTCCCTCCTG
 195121 GATAAAAACC ACTGACCCCTG GGAATGTACC CACTGCCAAT CTCCCTCGTA AACCTTGGAT
 195181 ACTGGGAAGC CTACAGTTGA AAATATTGGG CTTGAGATCC TGAAACAAAT CTTGTATTTC
 195241 ATTAAGACTA ATATTTGGTA CAGTGCAGCA AATCAAGGGA ATTTGGTGG CTGAGTTCTT
 195301 TTAGAACCTT TGCATTGAAA TAGGTTCAAG CAGCAATAAG TTAAAACAC AACCTCAGCT
 195361 AAAGGATTAA AAGACACGTG AGCTGGTAG GATGAGGTCT AAGGTTGGGT GTGGCGGCTC
 195421 ATACCTGTAA TCCCAGCACT TTGGGAGACT GAGGTGGGTG GATCACTTGA GGTCAGGAGT
 195481 TCAAAACCAAG CCTGGCCAAC ATGGTGAAAA CCCATCTCTA CTAAGAATAC AAAAATTA
 195541 GCTGGGCGAG GTGCCAGGCA CCTGTAATCC CAGCTACTGG GGAGGCTGAG GGAGGACAAT
 195601 CACTTGAAC T CAGGAGGCAG AGGTTGTAGT GAGCTGAGAT CGCACCACTG CACTCCAGCC
 195661 TGGGTGACAG AGCAAGACTC CATTAAAAAA AAAAATAATA ATAATAACAA TAATAATAAT
 195721 TCAGACATAT CCAGGCATCA AACAGATAAC TGGGGCAGAT GAATAGTCTT GAGATTCAAG
 195781 TCACACATGA AATTAGGTG GAAAATGACA TTGGAGAAAT TTGAGATTAT GATGAATGGA
 195841 AATTTTCAA AGAGGAATT CAGGCTCTGT TCTTGAGGGG ATAGATGGAC TTCCAACAGC
 195901 AATAACACAG GATTAATGAG GACTTGGGAT GTTACATAAA TTAGAGATGT TAGATGGATA
 195961 AAGAGATAAA AGTACTCTCT CTAAGAACAT GGGACCAGAG ATAGGCTCAC TTCTAACCAT
 196021 CAGATATAAC TAGCAGACTA AACGGCTAA AAATAAAAAT CATGCCAAC TCCTGTTAA
 196081 GACATTCAA TTACTCTCAG TAACTCTCA GTTTTCTAC TGTGTTATCT TTAACTACAG
 196141 GGTTGGTCTG GGTGTGCAAC ACAAGAACG CTGGCATATA CATGGATTCA AGTGTATGCC
 196201 ATGTGCAGGT ATTCTTCAT GTACTATTTC ATGTATTCTT TTTCACATCT GTTTTTCCCT
 196261 TCATTGAAGT CAATGGCTGA TATTAGATT TACTATTCTAT GTGTACTAGT TATATATAAT
 196321 TGTTACAAAA CAAATTAGCA AAAACTTAGT GGCTTAAAGC AACACACATT TATTATTACC
 196381 TAAGGTCTGT GGATAGAAGT TCTGACATGG CTTAACTGGG TTCCCTGCTT CAAGCCTCAT
 196441 GTGGCTGCAA TCCAGGTGTT GGCTGAGTCT GAATTCTCAT CAGAGGCTTG ATTGTGGAAA
 196501 TTTCCACTTC CAAGCTCCCT CAGGTTGTT GAAAATTCA GTTCTTGCA CCGGTAGAAAG
 196561 CTTCTTGGTA GAGGCTGATT CAACTCTAG AGGCTGTCTG CAGTTCTGT CACCCAGGGT
 196621 GGAGTGCAGT GGAGCAATCA TAGCTCACTG CAGCCTTGAC CTCCCAAGAAT CAATCTGTTC
 196681 TCCCACCTCA GCATCCTGAG TAGCTGGAC CACAAGTGTG TGCCATCACA CCTGCCTAAA
 196741 AAACAAACAA ACAGAAAAAA ACCCCCAGAG AACTTTGTAG AGACAAAGCTG GTCTGGAAC
 196801 CCTGCGCTCA AGCAATTCTC CTGCCTTAGC CTAAAAGTTC TGGGATTATA GGTATAAGCC
 196861 ACCATACCTG GCATATGGCA AGTCTTGAGC AGGACAAATA CAGATGATTT ATGTCTGTCT
 196921 TCCATGGTAT TCTAGGTTAT TGTTGAGATG GTCTCTATT GTCTTGTCC ATCTATTGAT
 196981 TAGATAAAAC GTTGTCCCTT CTGTTATTTT TCAACAGTAG CTTTTATGTG TCTCTCTTA
 197041 TCTTAAATT CTAACCAAAG AGCTGCTCTT TTCTTGGTGT ACTTTACCTT TGGTTGATCC
 197101 TTCTTAACCT CTTCTTGCCC TCTGGGCCT AAGATGAGGG CTGTTATCAG ATGTGAGTCT
 197161 ATGGGAAAGC AAGCAAGAGG TTCTTCAGCC TCCGTTCAGC CTTAAATGTC TAGGTAGAAA
 197221 TCAGTCATGG CCCTTCCAAT GTGGTACAGA CCAGATCACA GAGACAGGGG TCTCAGCCAA
 197281 GGTCTTGTGG CCTAAGCCTT ATAGAAATAA TGAGTGTGTTA CTTACTTGGA GAACTCCCTT
 197341 GGAATATCTT TTTTTGTGAA CCTGAGGCAA CTTTTGGTGA TTTCTTGATG TCTTGGGAAT
 197401 CTTGGTCTAG AGCCATTCA ACCCGATTTC TTTTCATGTC AGTGGCATTG TGTGACCAGA
 197461 TAGTAAATAA GTTCTATGAT GTTCACTCAG AGAAATACAA TGACTTATGA TCGGAAGCTT

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197521 CTGTGGTTCA GCCCTTACTT CATCTTCATT CCCTCTTATC TGCATCTGTC TCCTGCTTGG
 197581 GAACAAAAGT CTGCTTCAT TCTATGACCC CCACGTTGAG TTTCTTAGTA GCACTTACTT
 197641 TTCAATTAGG AGTGTCTCA CTTCTATCCG TCAGACATAA CTAGCCGACT AAACAGTCTA
 197701 AATATAAAAA TCATGTCTA CTCCTGCTGA AAACATTTA ATTACTCCCC ATCATTTAAT
 197761 TTTTTCTACT GGGTTATCTT TAACCTCAGA GTTGGTCTTG TGTGCAACAC AAGAAAACCT
 197821 GGCATATACA TGGATTCAAG TGTATGCCAC GTGCATGTAT TCCTTCATGT ACTATTTCAT
 197881 GTATTCTTT TCACATCTGT TTTTCTCT AAAATTTATT TCCTTTAAA AATGAAAATT
 197941 TTGCATTGTA CTAAATTGTT CAAATTAGT CAAATTGTT TAAAACCATT TTTAAAATGTT
 198001 TTCCCAGT TTTGAGTGAA GTTAGTACTT CAGAAAAACT GTTTGTATT TTCCCTGTGA
 198061 CCTCAGTGC A CTGCTGTGCA TTTCCATTTC TGCGTCCACA CACATTGTT TTGAGGAAT
 198121 ATAGGAACGA CAAGATAAAG TTCAAGCTCC TGACATTGC ATAAAAGACC GTCATGACCT
 198181 GGTCCTGTTG ACTTCCCTAG ATTTCCCGCT ATTCCTAACAG TTGAGATTGTT TGGTTGGAT
 198241 GCTTTGTGTT TTCTTAAAT CAAAATAGGT TTTTGCTTT TATGATTATA CAGTAAATAA
 198301 ATGCTATTG TGTGAAACCT TAAACAAATAC AAAAAAAACC TAAGGAAGAA AGTCAGATT
 198361 ATCTAAAAAT CCTTGTGGCC AGAATTAAC ACCTTAGTTA CTATTTCTC TATCTCTCTC
 198421 TCTCAATGTA TATTTGGTGT AGGTATAGGG GTGTGTGTA TGTGTGTGTA TGTATATATC
 198481 TGTGTTCTATT CCTGTATGTG GATGTGCACA ACCGATCCTG CTTGTACAC TACAGTACTA
 198541 GCATTTTCT AATGTAATT AATATTGTTG AAAACATTTT AAAAAAGCTT GTATATATAC
 198601 ACACACATAC ACATACATGC ATGTATGTAC ATATACACAT ACAGACAAAA ATGTATCCTA
 198661 TGTATATTCA CACATGTATA CACACTCACA CATACTAGA GTTTTACATC CATAGTTTAT
 198721 AAATGTTGCT TTTTTTGGT CACCTTTTG CTAAGTCTTA CACTTTTTT TTTTTTTTT
 198781 GAGACGGAGT TTTGTTGTCA TTGCCAGGC TTAGTGCAGT AGCGCGATCT CACCTCACTG
 198841 CAACCTCGAC CTCCCAGGTT CAAGCGGTT CTCCTGCCTTA GCCTCCTGAG TAGCTGGTAC
 198901 TACAGGTGTG CGCCACCATG CCTGGCTAAT TTTTGTAGTT TTTTTATAGA GACGAGGTTT
 198961 CACCATGTT GCCAAGCTGG TCTGGAACCTC CTGACCTCAA GTGATCTGCC TGCCTCAGAT
 199021 TCCCCAAAGTT CTGGGATTAC AGATGTGAGC CACTGCACCC GGCCAAGTCT TACACATCTT
 199081 TTTTTTACCA CTAAACTGTT TACCCAAACC TGATAACCCA AGTCAACAGC TATTATGGCT
 199141 CACACAATCT TATGTAACACA AAGATACAGA TATATAGAAT TTTCTTGATT AATATTCA
 199201 AAAAAATGGA GTCCCTTTAT ACGTCTTCTAG TATCTGCTTT ACTCATTAA AAATGTATTA
 199261 CATTATATGA AAGTATTTCAG GTCAAATGTT ATAGATGTGA TTCATTCTT TTAACTGTGT
 199321 TATTTTCTG CAATGACTAT GTATCACAAA GTACTCAGTC TTCCACTGAT GAAAATTG
 199381 GCTATTTCCA GTTGTCTTC CATTCTTCTT TCTTCCTCTT GGATTTCAC TCAATGTGTT
 199441 TACTAATT A GGAAGAATCA ATAGTTTTA TGGTATTACT TCTCCCATT CAGAATATAG
 199501 CATATGGTAT AGTATAGTAG AGTACTTAGT TTAATTTCAGC CAGATCCTGT TTTCTGCC
 199561 TTAATAAAAT TCTATCATTT TCTGCCTTT AGTCACATT TCCCTGTTCA TATAATTCTT
 199621 AAAAAATGTA TAGTTTCAT TCTAAGGGAA CATAAAACT TCTTCTCATT TCTATTCTG
 199681 TCTAGTTAAT TCTACTATTG GGAAAAGTAA CTGTTAAAAA AAATTCTTAT CTTCCAGTC
 199741 AGTCACCC ACCAAGCCTC AACGGGTTTG CTCTTCTGG AAGGTGCTTC CCCTGTATTA
 199801 TATTCCCTCAC ACCAAGCCTC AACGGGTTTG CTCTTCTGG AAGGTGCTTC CCCTGTATTA
 199861 CTGACTTATT CATAACCACAC ATGGAGACTG GCGCAGCCCT GTTCTGCCG GGAAGCCITC
 199921 CCCTGATACC CCCAGTTGGC AGGAGTCTTC ATTTGTTCTT TTCTAGTCAC CTGTGCAAGT
 199981 TTGTATTGTT CATGTTTATC ATCCTTCATT CTAGTTGTT GTCTCTGTGT GTGGTCTCAT
 200041 TCAGTGGACT CTGAACCTT ATGAAGTCAT GTCATGGTC AGATCTTAAT AAATTAATAT
 200101 TGTCGGAAGC TAATGTCATG TCTAGAATAC AGAAAATTAA TCAAAAAAAA ATATAGTATG
 200161 TTGGCTGGGC GCAGTGGATC AAGCCGTAA TCCCAGCACT TTGGGAGGCC GAGGCAGGAG
 200221 GATCACATGA GGTAGAAAT TCAAGACCAG CCTGGCCAAA ATGGTGAACAC CTCATCTCTA
 200281 CTAAAAATAC AAAAAGTAGC CAGGCAGGGT GGTGCCACC TGTAACTCCA GCTACTCAGG
 200341 AGGCTGAAGC GGGAGGATCA CTTGAACCTG GGAGGCAGAG ATTGCAATGA GCTGAGATCA
 200401 TGCCACTGCA CTCCAGCCTG GGCGACAGTG AGACTCCATC TCAAAATAAT AATAATAATA
 200461 ATAATAATAA TAATAATAAT AATTGTATGG AATTGAACGT CTCTGATTGG AAATAGCTGT
 200521 TTTTTAAAAA ATTATTATTT TTAAAGTTCC TGGGTACAAG TACAGGATGT GCAGGTTG
 200581 TACATAGGTA AACGTGTGCC ATGGTGAATT GCTGCACCTA TCAACCCATC ACCTAGGTAT
 200641 TAAGTACAGC ATGCATTAGC TCTTTACCT AATGTTCTCC CACACCCCCA CCCCCATCCTC
 200701 CCCAACAGG CCCAGTGAG TGTTGTTCCC CTCCCTGTGT CCACATGTTCA TCATTGTTCA

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200761 GCTCCCACTC ATAAGTGAGA ACATGAGGTG TTTGGTTTC TGTTCCGCC TTGCTGTTA
 200821 ATGTCAGGCC AGAGAGGCTT AAATTTTAA GGATCTCTGG ACTTTCTTC TACATTACTC
 200881 TTGATTTA TAAATGTTAC AACTTCTTA ATTCATTTA ATGTATACCT TATTGAGTTG
 200941 ATTTAAGTGA GTTAACCTTG TTATATGAAA ATCATGATTG GGAGTGAGGG GTTAAACCA
 201001 GCTACAGAGA TCTTGATTGT TGGTGGTGA GCAATGCAAG AATTCACTCA TTCAGTAAAC
 201061 TAATGTTAT TAAGCGTGT A CTGTCCTAGT CTGTCAGAC TGCTGTAACA AAATATCATA
 201121 AACTGGGTGA CTTATAAAC AAAAAAATT TATTCTTAC AGTCTGGAG GTGGGAAGTC
 201181 TAAGATTAAG GCCCTGGCAA ATTTAGTGTG TGAGGAGGAC AGGTAGCCAT CTTTTGCTG
 201241 AGTCCTAAC A TGGCAGAAGG GTTGAATAA CTTCTGGG TTTCTTTAT AAGGACACTA
 201301 ATCCTAGTGA TGAGGTTCT GCCCCTATGG TATAACTACT GCCCCAAAGAC CCCTCCTCT
 201361 AATATTATCA CTTTGTGGGT TAGGATTCA ACATGAGTT TGAGAGGATA CAGACATTG
 201421 GATCATAGCA CACACCCTAG GACAGACACT GTGCCAAGAA TTGTGGATAT AGTGTCTC
 201481 AAAATGAACA AGATCCCCTC AGAGAGCTG CAAAATCCAG CTATAAAATT ATGCTTTTA
 201541 AACAAATTAT GCAGTTGAA AAATCTACTC TGAATCTTAC TTGTCGCATT GAATACTTTC
 201601 GGCCACTCTT TCCTTATTAT ATTAAATATT TACTCTTGTG TGGGGGATCC AGTCTCACCT
 201661 ACTTTTCTA CCAGAACTGG TATCAGCTCA TGCTCTGCCT TATGCAAATT AAGAAAATAT
 201721 CATACTTTT GGGTAAATT AGCCAAGAAA GTTCTCCTT CTTCTCTTC TCTCTTCTT
 201781 TCTTTCTCTC TTTCTCTTC TTTCTTCTC TCTCTCTCTT TCTTTCTTC TTTCTTCTT
 201841 TCTTTCTTC TTTCTTCTT TTTCTTCTG ACAGGGTCTT GCTCTATTGC CTAGGCTGGA
 201901 GTGCAGTGGT GCAATCTCAG CTCACTGCAG CCTTGAACTC CAGGGCTCAA GCAATCCTCC
 201961 TGAGTAGCTG GGACTATAGG CATGTGCCAC AACATCAAGC TAATTTTGC ATTGTTTGT
 202021 GGAGACGGGA TCTCCCTATG TTGCTAAGGC TGGTCTTGGG TTCTGGGCT TATGCGATT
 202081 TCCTGCCTCA GCCTCCAAA GTCCCTGGGAT TACAGGCATG AGCCACTGCC CCTGGCCATT
 202141 ATAACATATT TCATTGGCTT ATCAGGCACA TGATAACTAT AATAAAATCAA TAACCAGAAT
 202201 TTTAAATAA AGAAAGGAAG GAATTGTTTC AACTCTCCT GCTACCCCTC TATCCCTCAA
 202261 AAGGGTAGGC TGAATGTTGT CCTCCAAAGA TATCCATGTC CTAATCCCCA GAACCTGTAA
 202321 ATATATTACC TTATATGACA AAAGGGACTT TACATGTTA ATAAGTTAAG AATTTTGAGA
 202381 TGGGCAGATT TTCCTGAATT TTGCAGATGG GCCCTAGTGT AATCACAAGG GTCTTATAA
 202441 GAGACAGGCA GAAGAGTCAG AATAAGAGAA AAATACTTCA AGATGTTACA CTGCTGGCTT
 202501 TAAGGTGGAG GAAAGGCCAA GAGCCAAAAA ATGCAGTGGT CACTACAAGC TGAAAAGAAA
 202561 AAGAAATGGA TTTTCCCCCTA AAGCCTCTGG AGGGGGCACA ACCTTGCCAA TACCTTGATT
 202621 TTGGCTCACT GAAACCCATT TTGGACTTCT GACCTTTAGA ATTGTAAATA AATAAATAAT
 202681 TTTGTGTGT TTCAAGCCAT CACAGTTGTG GTAATTTACT ACAACACCAA TAAAATAGAA
 202741 TTAAATACAG AGATCTGAGG AGTTGAGTAG GATAAGCTA CTCCAGCAGG TTATTTGGG
 202801 AGTATGGTGA GACTCACTAG GATGGCGGAA CTCAATTAAG GAAGTCTGAA GCTGATAAGC
 202861 CAGAGAGGGAGGAGCTCTCAT TTCAATTTAT AAGGGTTGCG TCACACTAGG AAGATCCAAT
 202921 AGCAACCACA GTCTAAAT TAATGATTAC AAATAGGACA CAATTCCAAG AGTCGGGAGC
 202981 CAAGCAGAAA ATGGATTAGG GAAGACATGG ATGATATGAA ACAGGAAGGA GGGGTACAAG
 203041 GCAGCTTCTC GGGAAAGTGC CAGGGCAGTC ACAGTCACA TTCATTAGGC TGTGGGCACC
 203101 AAATGCATAT GGAAAATCTA GCTGACTTAA CTGAACCTCT GAAAGAGGAAT GAAACACCTCA
 203161 TTTATTGAGG AGCTACTACC AATTAGAATA TGATTTCAT TTGTTCAATA ACCCCATGAG
 203221 TACAGTAACA CAATCCTTGC TTTACTAAAG CGGAAGCCAA TTCAAAGAGG TTCAGTGACT
 203281 TGTCCAAGCT CAGGGAAAC ACTAGGAAGT GAATATGGGT CTGACTCCAT CACTGATTTC
 203341 AGGAGCCCTG CCCCTTCCTC CACACCATGC CCCCTTGCTT TCAGAAAAAGGCTTGTG
 203401 ACTGAATGGT TGTATGCACA GTTCAAAGCA GAAACACACG ATGACATCTT TTGAGATACT
 203461 CTAACAGTGA GAACTTGAA ATGAAGTTAA AAATTAAGCG GCAAAACCAA GCCGAGGCTT
 203521 TCTGAGAAAG TGGGGCCAAA CCTGTTGCCG TCTGACTGCC ACGTGGCTCA CTATTTATCC
 203581 CTGAAAAAT CTGAAAAGT ATTTGAAAGG GAAGAAGGGA CAGAAAACCTC CCTCCTTTTC
 203641 CAAGTTAGCC TTATAGTCTA GGGCTAAAAA TACTGGTTA ATGGTGAAGG TAAGTGCTTT
 203701 TCTTCTTTT GGGTAGAAGG ATTATTACTA ACTTACCAA GGTCCATTAA GGGGAGGGAA
 203761 CAGTTTTAGG AGAAGTCAGA GAAAAGACAT TAACAGCAAC ATAAGGATCT CCATCTGGTA
 203821 ATATTGCCTA ATTCCAAAAT GAAGAGACTC TCTGAAAAG ATAAGTGATT CAATGAAGAC
 203881 CCTAGGGCAA GGCTTGAGAA GCCACTGGTA CCAATGGACA CTGTCGACAA TGTCATTTC
 203941 TCCAAGGACG CTGTGAGTAT TAACTGTGAT GCTGTGATTA GTCAGACTGG GATTGGCTGT

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204001 GGAATGAAAT ACTGATCAGA ACTGACAAGA TTTGTGTTTGGACTGTGGCTAACGAGTCT
204061 TTTCAGACTT CTATATGAAT TTGAAATGGT CTCTCAGGAA AAGGAGAACATGGCCGGGCC
204121 TGGTGGCTCA CGCTGTAAAT CCCAGCACTT TGGCAGGCTG AGGCAGGCAG ATCACTTGAG
204181 GTCAGGAGTT TGAGACCAGC CTGGCCAACA TGGTAAACCTGTCTCCAC TAAAAAATACA
204241 AAAATTAGCA GGGCGTAGCG GCGCGTGCAC CTATGCGCAT GCATAGTGCG CGTGCAGCT
204301 ATTCAAGAAGG CTGAGGCAGG AGAATTGCTT GAACCCAGGA CGTAGAGGTT GCAGTAGTTG
204361 AGATCATAACC ACTGCACTCC AGCCTAGGTG ACAGAGTAAG ACTCTGTCTC AAAAAAAATAA
204421 TAATAATAAA AGAAAAGGAG AACATGACCA AAGTTATGAA TAAGACTGAA GGCAAGAAAA
204481 TTGTACGCTT GTAGAGATCA CCTAGCTTGT TGCCCTCATT GTACAGCTAA GAAAAGGCAC
204541 CCAGGGACAT TGTGGTCAGC ACCAATTCT CAGAAAGATA GGCAGATGAT GAGAGGGCCC
204601 TCAGTTTTTC TAACACTGAA GGAATTGCTT CTATGTTTC TGGTGAACTC CTCCCCACTC
204661 ATCTTGAGGA TTCCAGGCCA GAAGAATCCA CTTTAAAAAA GAAACATTAA AAACCAATT
204721 AACAAACCAAT CAAAGGCACT TTTATAGAAA TACATTTCAT TTGCTGTAGG CCTGTATT
204781 TGGATCTGAG AGGGCTAGAC TGCCAATATT GTGACTGTTT ATTATTATTG CTGTTGCTAG
204841 TATCTAGAAT ATTATACAAC ATATAACACT TTGCAATTAA CGAGGCATGT CTCATACTTT
204901 TGTGTTCACT CCAAACGTGCC CAGTGAAGTA ACATTATCCC AATTCTTCCT ATGAAACAGT
204961 GAAAGCCCTA AGAGTTTTG AAACTTTACCGTGGTTACTC AATTGGGAA TGGCAGAGCA
205021 GAATTCACTC CTTGAATATC CTCCCACACTGC AGGTTCATGC TCTTGATCT AGGTGTAACA
205081 TTTACTCTGA GTAAACACTAGG ACTCTGGGCT AACAGAGATG AAGCAAGACA GGCTGGATAT
205141 TAGGAGAACAT TAAGAGCAAT CTAACGACCA TTATAATAAA ATCATGAGTT CTAGACTTAA
205201 AAAAAGGGAA AACCTGTTT TTTTGCTTAT GCGTATACCA TAATATTAC ATTATTTATT
205261 TTTTTCTCAA ATTCAACCTA TACTGTGTCA AGTAATTTTT TTTAATATAA CATTTCCTT
205321 TAACTTAATT TCAATTCAATT TTTCTGTGTC TACTTACAAC TTTGGCACTA GAATTCAAA
205381 TTTTTTTTA GAGGTATATC TCCTTAAAGG GAAGGGTTCT GACACTGTTA CATGTTCTCA
205441 ATTGTTTGCA AATAGGTTAA TAATTATTCC AGTGTCTCTA AGTACATATC AACCATGCCA
205501 GTGTTCAGCC TCCATAATT TATTAGCTTC TGTGCTTATT TTGGAAAAAC ATTTCCCATT
205561 ACCATGAAAG ACCTCAGTT AGGATGGTTT GGTATGTTAG CCTGATTCT GCATTCGTCT
205621 CATGCAAAGG AAAATAGGAA ACGAAGAACT GAAATTACCT ATTGATACAA AATCAAAGTA
205681 GCATTGAAA CCATAAAACT TAAGTAGGGC TTTTCATCCT TTCTCGTTAG ACAGCAACAG
205741 AGAATGGGAA GAAAAAACTAA AGTGTAGGGT TTGTGATACA ATTCCAGTAA CATAAAGAGC
205801 AAGGAGAAAGT AGTTTTGTTG TGTTTATGTT TAATATTCAA AGCTCAACCT AAAAGTATT
205861 TTCATTATCA AACTCCTTC TAGAATAAAAT GATTAAACT TGATTTAAA TATACAAATT
205921 CTCCCTTATA ATACCTCAAA ATGGAGCTAC CCCATTGAGT TTTAAGCTTG TGATTAAT
205981 ATTACGAAAA CAAAGGGAA GTGTAATAG GTAGAACAAAG CAGTAGTCTA GGCATTAGGG
206041 GATCTGGTGC TGGCTCTGTG CATCATGTGG TTTCAGGCAA CTTTCAAAT TTTCTACGCA
206101 AATTTTCTTA TCAATAAAAT AAACAGTTGG GCCAGAGGAT CTCTGAGTCT CTTTCAGCTT
206161 TCAGTGTAA TAAAGATTGGA GAAGTTGGTG GGAAAGCTTT AAGTGGAGTG TAAGTAATTG
206221 CAGCTGCATG TACAGTTAAAG GAGTTGCCTT CAGCCAAGCC ACGGGATCTT GCATAAAAAG
206281 TGAAATCAAA TAGAAAATGG TCCAAACTCT GGGTTGACC ACAGATGACT TCAGCTAGGA
206341 TCTGAGGTGA GACCAATGAG CTGAACTCCT GATATCCAGA TGTTAGCAAG ACTTGGAGGC
206401 CTTCTAAGGC AGAGCAACAA CCAGTATCTG TCCTGGTGCT GACCTGATCT TACTAGCAAT
206461 TGGGCCTCCA TTTGGGTCCA TTGTACAAAA CAACAACAAAC AACAAACATA AAATCTCCAA
206521 ACACCCAAAA TTCAAAATT AGATGGAGAG ATACTATTCC CAGAATTCTA GAGATATTG
206581 GAAAGCAGAA AACTATACTT GCCATGCTGA TGAAGTCAA TTATTGCTCT TTAAATACAA
206641 TTTAGCTACT TCTGAATATA AAATGAGTAT CTACTAATTAA TTTACAAAAT CACTGGTAA
206701 ATATAGAAAG TCACAAAGAA TGAAGTGATC ATCCTGTTT GTAACCCAGA AATAGTCATT
206761 ACTGGCACTT GTGTGAATCA GTTTCTATT CTGTATGTGG ATGTGCACAG CGTATCCTGC
206821 TTTGTACACT AGAGTACTAG CATTTCCTA ATGTAATTCA ATATTGTCGA AAACATT
206881 AAATAGCTTC CATCACAAATA ATCTATCAAAT TTGACTTGCC AGACTCTCAT TATTAGGTTA
206941 ATTTATCTCT AACATTATGC AGTCATGAGT AATACTACAA AGGATATTG TGACACAA
207001 TTTTCATCTA TGCCCTTCTT TATAATCCTT CATCTTAAGG TCACAGATTA TGAATATCCT
207061 TAAAGTACGG ACAAGTCTTT TAAATTTGT GTGCAAAAC AGTGCAAGC CTTGAATGAT
207121 AAAATAGAGG TTTGATATAT GTGTTTTGT GTTGAGACGG ATTCCTGCTC
207181 TGTCCCCCAA GCTGTAGTGC AGTGGCACGA TCTTGGCTCA CTGCAACCTT TGCCCTTTGG

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207241 GTTCAAGCAA TTATCCTGCC TCAGCCTCCT TAGTAGCAGG GTCTACAGGC ATGTGCCACC
 207301 ACACCCGGCT GTTTTTGTAT TTTTAGTAGA GATGGGGTTT CACCATGTTG GCCAGGATGA
 207361 TCTCGAACAC CTGACCTCAA GTGATCCACC CACCTCAGTC TCCCAAAGTG CTGGGATTAC
 207421 AGGTGTGAGC CACTGCACCC GGCGATACA TGTGTTTTA AAGTCACAGA AATTCAGAT
 207481 GTCTTGAAGG ATTTAAAGCA ATTTAAAAAA TAAAGTCATA GAAGCTTCAA TTTAGGAATG
 207541 AATGGAAAAT TGATGATATT CTTAGGATAT GGATTTTCC TAAAAGAAC AAATGTATGC
 207601 ATCCCCAAAG ATAATTGAT TAGTATACAA ATATTAAATT AAACATGTCC ATATTTAGAG
 207661 CCATGAATTC TCTTGCCTG TCACAATAGC TGGATTTATT CACAATTGTA GTAATTAGTC
 207721 CCTGTTCATT ATAATTTCT AGGTGATATG AAGACTTGT CAGTCCAAGC AAGTGTCCAC
 207781 ATTGTGTGTA GCAACATGA GAATAAACAT TTTAAACTTT TAAATGTAAT ACATATTAGT
 207841 GTTATGTAAT GTCATCCTTC ATGTTCGAAG GCACATGGAA CATTGTTCTG GTGGTACAGA
 207901 GGGGAGAGAA ACACCATCAG AATGAAAGGA AAGACCGCTC TGGAACCTTC CTCCCTTAGCT
 207961 CTTGAGCTTA GTTTAATTGT CCTGTCTTAT GGTCTGCTAC AAGCAATACC ACTCTTCACC
 208021 TTCGCATGCT TCTCTGTGGT TTGATAAAAGT ACATGCAATT TTTCATTTAA TTCTTCCAGC
 208081 TGCACTAAGA AAGGAGCCTT ATCTTTATTG AACAGATGAG GAAATGAATG ATTAGAGAAT
 208141 TTAAATGACT AGCTCTAGGT CACACAGCTG GAACATTACAG CCAGATTTC CTTTAACAAT
 208201 CCTGTAACCA AAAGCATACC AGTAGTGCCTT CATAAAATGT AAGTTATAGA GCTGTGTTGG
 208261 GTCAAAACTT TTACTGATGC TAAGAGGAGG CAACATTAAC AAGGGGAAAT TATTTGTGTA
 208321 TTATGTTTG GATTATGTT TCTCCATAGA TAAAAGACTG TCGTAGTAAA AGAGATTCAAG
 208381 GGCACAGGGA AACTCCACCA CAAAGCGTGG TACCATTCC CACAGAAGCT AAATGGACGG
 208441 GAAGCCTGCC ACCAGGAAAG GTAAAGGCCAC TGCTCTTGTG TGCAAGCTAT GTTAATAAGC
 208501 TGAAGCTTAT TCCGACACAT TTACACATCT CTGCATCACA CTGACCCCTC GTAAAGATAC
 208561 TCCCAGTGTAA CACATTGGAGC CAGCTCCAGC CCCTGATCCT GTTGCTTTT CCTTAGCCCC
 208621 ATGAAATCAT CTGTGAGAAA TTAAGCCAAA TAAGCAATAA ATCCTGGGAT CTAGGGAGTG
 208681 GAATAAGTT TGGGAAAGTC TTTTTTTTTT TTTTTTTTGA CTGAGCTTG CTCTGTCTCA
 208741 CAGGCTGGAG TGCAGTGGTG CGATCTCGGC TCACTGCAAC CTCTGCCTCC CGGGTTCAAG
 208801 TGATTCTCCT GCCTCAGCCT CCCGAGTAGC TTGGACTACA GGCACACACC ACCATGCCCA
 208861 GATGAATT TGTATTTTA GTAGAGATGG AGTTTCGCCG TGTTAGCCAG GATGGTCTCG
 208921 ATCTCTGAC CTCGTGATCC ACCGGCCTCG GCCTCCAAA GTGCTGGGAT TACAGGCATG
 208981 GGCCACCACG CCTGGCCCGG GAAAGTCATT TAAACACCAAC CTATGTATGA ATCCCTACTA
 209041 TAATATTCTC ACCAAGCGGC TGGCTTTTC TCCTGAGCTT GGAAACCTCC AGTAAAATGG
 209101 AAATAATTAT TTCCCAGACC ACCACTCTTA TCTGTGAGCT TTTTGGCCA TTAAAAATTA
 209161 TTTCTTCAT TATATTTTA TCTGTGCTT CACAGGTTTT CTCTTCTTT CACTTTAGTG
 209221 CTTTTCTCA AATAAGCAGG AAAATCCAA TCTATCATGC ACATGGGAAC CCTTTCAATA
 209281 TTGGTCTGTG GTTGTCCAT TTTATGGGA TGCTTTAAA GAAAAAATTG GTCCCTTCAA
 209341 TATATTGAAT ATCTTCCAGC ACCACATCAC CTGCAAGCTT TGAAAAATA GTTCTACATA
 209401 TTAATT TTTTTTTT GAGATTGAGT CTCATTCTGT CACCCAGGCT GGAGTACAGT
 209461 GACATGATCT TGGCTCATTG CAACCTCTGC CTCCCTGGGTT CAAGTGATTC TCCTGACTCA
 209521 GCCTCCCGAG TAGCTGGGAT TACAGGCATG CATCACCATG CCTGGGTAAT TTTGTATTT
 209581 TTAGTAGAGA TGGGGTTCA CCATGTTGAC CAGGCTGGTC TCAAACCTCT GACCTCAAGT
 209641 GATCCACCTG CCTTAGCCTC CCAAATGCT GGGACTACAG CGGTGAGCCA CTGCACCCCA
 209701 CGTAGTTTT TTTTTTTT AAGTTGAACA TATGTGAAGG CAGGACCTAG TGACACATAG
 209761 CAATAACATT TCCAAGTAGA CATTACACTA GGGAAATTAGT CGAAGTGCTC ATTTAAAGTA
 209821 CCATCTCTCA AATGTATTAA AAGAGAATCC TTGGATGTGC AATACCTTAA TTCAAAGGC
 209881 GCTCGTTATG TATAAACTCT CAAGCTTTGT GATAAACAAA TGTGCATAAC AGATGGGACT
 209941 ATTCACTTAC AGCCCAGGGA ATTTTATTGA CGCTGAGAAG GTTATGTGAC TGGCTCTGCC
 210001 ACTGTCATCC CCATTCACTT CATTGGAG CAATATGACA TAAATGCCCT ACATGTGGGT
 210061 TTTCTCTATT TATCATGTGT TCCCTATCCC CTTGAAAGAT GCCCATATTT GCTTTACTTG
 210121 GTTATAAGAT CCCATATTG CTGTCTTGAA GCCAACAAA TAATTGACA AAGTGGGTTT
 210181 GTAGTGTGCG CTATTTGGT GAAAAAAGA CAATGAGACT TCATGTGTCA TCCAAAGTT
 210241 TATCAGATCG AGCTGTGAGA GAAAGAAAA GAAAGGGGTC TCAGTCAGGA TGCTCACTAC
 210301 ATACATCTGT GTTGTGTTCT AGGTCCAGAT TTCTGTTCAT TACGCTATGG GCTGGCTCTT
 210361 ATCATGCACT TCTCAAACCTT CACCATGATA ACGCAGCGTG TGAGTCTGAG CATTGCGATC
 210421 ATGCCATGG TGAACACCAC TCAGCAGCAA GGTCTATCTA ATGCCCTCAC TGAGGGGCCT

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210481 GTTGCAGATG CCTTCATAAA CTCCAGCATA TCCATCAAGG AATTGATAC AAAGGTAAGT
 210541 ATGATGGAAA ATAGGGCTCT TTGTTGAGAG AAAAATTT GAAAGGAAGG CATAGATCTT
 210601 GATTCTGTGG AGTATGGAAG TATACATTTC CAATGACAAA TTAAAATGTA CTGGAACTAT
 210661 TTTTCTTGA GACATTGCTT ACTTCATAAA TAAAATAAG ATTTCATGTA GGTTATTATG
 210721 ATTATAAGGT GGGGAACTG TAGAGTTAAA TGAGGAAAT TTAAAATGG AACAGTTAT
 210781 GTGATGTCTT CAATGAAAAA CTAGGTATTA CCTGGGCACA TTCTTATAGG TTACTCAATC
 210841 CTATTCAGTT CTCTGCCTGT TTTATTGTTT CTGAGCAATT TTATATCCCT GTAAATTCTA
 210901 TATAACCAAT AGAAATGCAA ACGATTCTTG TCCATAGCTT TGAAATAAA TTTTGCCAAG
 210961 AGAAAAATCA GTTAAACCTT TTCTCCACTC ACCTCCCAGT TGAATTAGCC AATTTTGCTG
 211021 TTTGTTGTT TGTTTGTGTT TTGAGATAGA GTCTTCCTCT GTCAATTGAGG CTGGAGTGCA
 211081 GTGGCATGAT CTCAGCTCAC TGCAGCCTCC GCCTCCCGGG TTCAAGAGAT TTCTCTGTCT
 211141 CGGCCTCCA AGTAGCTGGG AGTAAGGGGG CATGCCACCG CGGCTGGCTA ATTTTGCTAT
 211201 TTTTAGTAGA GACAGGGTTT CACTAGGCTG GTCTCGAACT CCTGACCTCA GGTGATCCAC
 211261 CGGCCTCGGC CTCCCAAAGT GTTGGGATTA CAGGTGTGAG CCACTGTGCC AGGCTCTGCT
 211321 GTATATTAA AGTCTATTTC AGCATTGCTT CCTGCTTGTG TTATGCGTGA TTCTTGAGT
 211381 TTTCCATTGA ACCAGTTATA ACATCTTACT TACTTCCTCC ATTAATCAAT GAGTTAAATA
 211441 AAATCTTGT TGTATGTTA TTTTACATT ATATGAAAAC CATGAATTAA CCCAATTAAA
 211501 AAAATTATCC TTTAAATTAT CTTGTACTGT ACATTTCCA TGTCATCCCT ATAATTATG
 211561 ATTAATGATT TTATTACATT GGACCTAGCT TATTTACAAT GAGTACATAA ATTTATTGTC
 211621 TCCAGTCTT CCTCCATTAT CCCGTCTACA TATCCACACT GAGTAGATTG ACTACTCAGG
 211681 AATCTTGAC ACCTCAAGT TGCCAAACAT GCAGTGTCA CTGGACATGC TGTTCCCT
 211741 CAGAATTGCG GCCTGCTCT CAGCACACTC ACATCTGCTA TCAATGACCC ATGGAAAGTT
 211801 TTTGCCCTGA GCAAGCCAGA GTCCCTGTTA GTTTCTTCA AATGCTACAA GTCACTTTT
 211861 GCTATTTTT CCGATGAGAT AAAATTTC CTTTGACTT TCTACAAATC ATAGTCATT
 211921 TTCAAGGGAT AGTCAAGTA TTGCTTCCTT TCTGGGACCT TCCCAAATTA TTATTTCTC
 211981 CTCTCAAAGT CTCTGTTTA TTATGTTCA TCCTCAAATC TTGATTCTCA CATGAATCAT
 212041 ATACCTTGT AATTATTTAG TTTTTTGAG TGGGTAAAAT ATTTCATATT TTATATTCTT
 212101 TGGCTCTCTA CTTTATAGCA TGATGCCAGA TATTAGGGG CCTTATTGCA TTATTTTTT
 212161 ATTTATTTT AAAATCTATT TTATTTTTA TTATTTTATT TTAAATCTA TTATTTTTA
 212221 GGTAAATATT CAGGTAATAT AATTATGTA ATTATTTAGG AATTATTTAGG AGTTATTTTA
 212281 AAATAATTCA AATTATTTAT TGAGTTAT CAGAAGAATG TGATCTTATT CATTGTAAT
 212341 ATGTGTTTA GGAACTCAGT TCAGCCAGGG CAGACCATGA TTCCCAAACACT TGACTTTCT
 212401 TTTTAATTAG GCACTGATTG TGGTTAAGAG TTCAGTAAAG TTTTGTGTGT GTGTTTTAA
 212461 AAATTCTTG ATATAAGAGT CAAGATGTTA CTCAACTTTT ACTAGAAGCA AAATAGAGGA
 212521 AGTGCCTTCA CAGATGAAAT ATCTCTCAAT GTTTCTTCA ATTTACTTCT TCCTATTATT
 212581 CATCTATATA ATCATTTCT TTACCTCTT TCTTCATTTC TTCTGTTTT CTCTCCTTCT
 212641 ACTAAGACAA GCAAATTAGG GGTATAATTG GTTATTTGGG AAGGTAGGAA GAATATAGAG
 212701 AGAAACAAAA ATCAATATT TATACTAGGG TCTCACTAAC CTCAAGCAAC TCTGACTGTA
 212761 AAGTAGATTTC TCATAATAGG ACTTCTTGAC AAAGAGTTT CCTATTTTC CCCCAGGCCT
 212821 CTGTGTATCA ATGGAGCCCCA GAAACTCAGG GTATCATCTT TAGCTCCATC AACTATGGGA
 212881 TAATACTGAC TCTGATCCCA AGTGGATATT TAGCAGGGAT ATTTGGAGCA AAAAATATGC
 212941 TTGGTGCTGG TTTGCTGATC TCTTCCCTTC TCACCCCTCTT TACACCCTG GCTGCTGACT
 213001 TCGGAGTGAT TTTGGTCATC ATGGTTCCGA CAGTCCAGGG CTTGGCCAG GTATCCAGAT
 213061 ACTTTCTCAT TCTTGGTGGG ATCCAGATT CTGAATTCTA CAAAATATCA AAGGTCTTAA
 213121 TGATTTCTAT TTCAGGAAT GGCATGGACA GGTCAGTTA CTATTTGGGC AAAGTGGGCT
 213181 CCTCCACTTG AACGAAGCAA GCTCACCAATTGAGGAT CAGGTAAGTG TGACACAGAT
 213241 GGTCAAGCT TTGTCATCTG TTCCATCCCA CTGTGTCTTA TCTTCTATGA ATCAAATGGT
 213301 TTGGGAAAGA GAGAGAAAAA GTACTGCTGA AAAATTCAAC AATATAAGAC ACTTGACATCA
 213361 CAAATAGGAA AGATGCATCT GTGCAGTAAA GACATTGAAG CTTAGAAGTA GAAAAAACCA
 213421 TTGTGAGCTA GGTTTCAGCT CAGAAAAGCC TTAGTAGTCA GAAAAGCTT AGTAGTCAGA
 213481 AAAGCCTTGT CGGAAAAAGT TTAAACCTTT AAGAATTGCA CACATGAAA AAGATCAAGT
 213541 AAGCTATATA TACACCCTCT TAGCAATGAT TTGAGGATGTA GAATTAAGGC TACCACAGCT
 213601 CCAGGTGGTA AGGAGAGAAA TCAGGCTGGA AGAGTTGAA GTTTCTGTAT TATTCTAAGC
 213661 TCTTTACTAT TCTATTATGA GCTCATTAAT TCTCACAAACA ACCCTCTCAT ATAAGTACCA

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213721 TTTTAAATTC TTATTTACA GAGAAGGGAG TTAAGGAAGG TGGAGATTAA GAAAATTGCC
 213781 CAAATACAAA TAGCCAGCAG GTGGTAGGTC TGAGATTAA GCCCATGCAG ATTTTAGCCC
 213841 CAGAGCAGAC ATTCTCAATC ACTATGCTAG ACTGCCTTC CATGGTATGT GATCCTACTC
 213901 AGGCCTCTAC AGCTTTATCA TTGCTGTTCT CCCCAGCCTG TCGTGTGAG AGTATATACT
 213961 CGAAGAGCAG AACTAAAATT CCATCCAGCT TCTCACTCCT AGGTCCACTA CACAGCTGCA
 214021 TCCTGCAGAC TTTTACCTCA AGCAACCCTC CTGCGTTCTT GCTTCCTTCC ATCATAGTTG
 214081 TAACCATCTC CTCTATTGTC AAATACTATC TGCTGATCTC TCTCTTCTAG ACTGGTTCT
 214141 TTCAACCTTC TTCCCACCAA AACCAAGTTA GCTTGCTAAA ATAAAGATGG CACATTTTA
 214201 CTCACCCGCT TGAGAATTTC CAATGTGTT CTTCATGTT ACAGAGTAAA GCCTGACCTC
 214261 TTTATTGCA GAATACAAAAA GTTCTTAGCC ATCTGGCCCC AACCTTGTTC CACTCAACTC
 214321 CCCTGTGCAA GCATGGCTCC AGTGGCACTG GACATTGGCT GCTCTCCACA TAGATCTGCA
 214381 CTGCACTTCC CTCTGGCTCT GCTCCCGTTA GTTATATGC CTGGAAAGTT CTTTGCCCC
 214441 GTTCCTTGTG CCAAAATTCC ATCTATCCTA TTGCATAGCT TATGTAAAAAA CTTCTAAAC
 214501 CTTTTTTTTT TTTTTTTTTT TTTTTTTTG AGACGGTGTGTC TCACTCTTTC GCCCAGGCCG
 214561 GACTGCAGTA GCGCTATCTC GGCTCACTGC AAAGCTCCGCC TCCCGGGTTA ACGCCATT
 214621 CCTGCCTCAG CCTCCCGAGT AGCTGGGACT ACAGGCGCCT GCCACCAGTA CCGGCTAATT
 214681 TTTTGTATTT TTAGTAGAGA CGGGGTTCA AGCCAGGATG GTCTCAATCT CCTGACCTCG
 214741 TGATCCGCC GCCTCGGCC CCAAAGTGC TGGGATTACA GGCCTGAGCC ACCGCGCCCG
 214801 GCCAAAACCT CCTAAATCTT ATAATTATTA TCAATTATTC CTCAGATATA CTTCCACGTA
 214861 CATTGTAGTT TTATTATATT TATATTTCAC ATCTTTTTT TCAAATTTCAT GTTGGGACC
 214921 CATTAGTGAG TCATAAAATC CATTGAGCGG GTTAAATCA TTATTTAAA AAATGAATAG
 214981 AATAGAATAG AAATTGTTGG AGTGCATTGG ACATGGTAA GTTAAATATC GATTCAATGAA
 215041 ACCATCGTTT GAGGCATATG TGTGTGGTTG TATGTACAAG TGTATATGCA TATTGGTGTG
 215101 TGTGTTATGT TACCCGTAA AATGCATTTC TTACTATAGG TCTCTGTGAA ATATGTGTCT
 215161 TGTGTTTTT TAATGTAGAC TTCCAAAGCC TACATGGCAT TTCACTAGTG ACATCAATT
 215221 TTATTCACAT TTTCTCTCC AATTGGACCA AAAGCTCTT GAGGGCAGGG GCTGTATCTT
 215281 ACCGATTTTT GTAAGTCTTT CATTTCCTGC CCTCTAGCCTC ATATTAGATC ATGCAAGAAT
 215341 GCAACTGTAA TCACAAGAAA ATGCTAATGG GCTGTGATAG CAGAGAGTTA CTGTGACAAA
 215401 CTAAGGGATT TAGATTGGT CACATTGGTG TTGAGGAGCC ATTGAAGAAT CAGAGAGTGT
 215461 GTTACTATTA TTTGTTAATT TTAATTATAT CATATTACTT TACTGGGAA AATCTGTGAG
 215521 CTATTTAGA AATAAAATCT CTCATTGCC AATAATTCTA AGTCTGCCAC CTCACTGTG
 215581 GGACATTGTT TAGGGAGGCC ACGAAGTCTC AGCCTTTGAT ATTTTCATAA GTGTTTTCT
 215641 CCCTTTTCC TTTAGGGTCA GCATTGGAT CCTTCATCAT CCTCTGTG TG GGGGACTAA
 215701 TCTCACAGGC CTTGAGCTGG CCTTTATCT TCTACATCTT TGGTGAGTC CTTCTCTTA
 215761 AATCCTAACG CCTCCATTTC CTGAGCATCC ATTTTGGCAC CTACACCACC CACATTCTTC
 215821 CTATATGAAA GAAAATGTCC TTTATCAAAT GGAAGATGAT AAAAATGTC AACGGTTGGT
 215881 ATCATTTTA ATCTAGTCAC ACAACCTGAT TAAACACCTTC CTGGTGGTT TGGGAAGCCA
 215941 CACGCACAAG GTAGAGGAGT TGACTATTCA CATGGCACCC ACCGACTTGT GATGCAGTCT
 216001 TGTCCCTCCA TATCAAGCAC CTTCTGCAGA ATCTCTACCA CCACATCTGA AGTGCCTGCT
 216061 ATATGCAGTT AAGATGTCAA AGATAGTGA GTACATTTC AATGTGTCTT CATATTTCAT
 216121 TATAATTATT ATTTCTGTCC AAGATGCC TT CAACCTGTT TCTACCAAGT TAATCTTGCA
 216181 AAGTTCAATT CAAATGTCC CTTCCCCATG GGCCTTCCA GGGCTTACCC TATCAGATTC
 216241 TGGCATTCTC TCCTTATGA TATTTCTCT CTAGGTTATG TTGGTGTGTA ATTATTTATT
 216301 TCTCCTTTTC TTTCCACTAG ACTGTGAAAT GCTTGAGGCA AGGAATCCAT TCTATGTTT
 216361 CATCACTTGG GTGTCATCAT GGTGCCTGAT TTTAGCTT AAAATAAAAG AATCAGTGAA
 216421 TCCAGTAATT AGAGGGGATT TAAAGAAAAC TAGCCTCAG AATCTTTAA CATAGAATGT
 216481 TCTTCAAATA AGGAATTCCA ATAATAAGAC AATTTCTAC ACTTGATTTT GTTTTATAG
 216541 CCAAATGGTG TCATTAATAA TAGCCTGGC CTGAATGGCT TTCTCATTAA TGATGCTAAT
 216601 TATTGGTT TGTACATGTT AACCAAGGTAT TGTACAAAAA TATTCTTTT GGGAAATCCAT
 216661 AATGGATGTA TGGCTGAAAT ACAAAATAA CTGCTCTTG TAAGTGCATT GGAAATTTT
 216721 CCCTGCCACA TGATTCATG GAAGGTTGTT TCGTGTATGT ATGACTGCAA ACCTGACTAT
 216781 TCAGATCTTC CGAACAAAGA CAACTTATGT GTGCATTAAG AAGTTGCTGC CTAAAATACA
 216841 TAACACTGTA ATCATTGGAG ACTTTAAAGT AATTAATCAG CTATGCAATG CCACGCTCCT
 216901 GTTATCTCCA GAGGGCTCTG ACATTGACAA ATGGTGGCTT TCTATTGAG ACGTAATATC

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216961 TAAAAAGCTT TAACAGGTTT GTAGAAGGAT TGAAAGAAAG AATGGGAACA TTTAGGTCC
 217021 TATGGTAGAA TAAGCATTAA TTGATTAGTG TGTAGAAGGG AGAGGCATGC CACTTCAGAG
 217081 GAAAATTCCT TCCCCCAGTA AACAAATCTA CCTAAAAACT AATTTATCC CTTCTTCCCA
 217141 GGTAGCACTG GCTGTGTCTG CTGTCTCCTA TGTTTCACAG TGATTTATGA TGACCCCAG
 217201 CATCACCCGT GCATAAGTGT TAGGGAAAAG GAGCACATCC TGTCTCACT GGCTCAACAG
 217261 GTACAGTGCA CACCTTGTAC CTGTGGCCA TGAGGAGGTC TCTAGGGCAG GGTGTGGATC
 217321 TCCTCTGAGA GGCACCACATCT TGGCTGCTCT AATACTCATG CTGATTAGAT CTTCTTTTC
 217381 AGCCCAGTTC TCCTGGACGA GCTGTCCCCA TAAAGGCGAT GGTACATGC CTACCACTTT
 217441 GGGCCATTTC CCTGGGTTTT TTCAGCCATT TCTGGTTGTG CACCATCATC CTAACATACC
 217501 TACCAACGTA TATCAGTACT CTGCTCCATG TTAACATCAG AGATGTGAGT TTACTTCCTA
 217561 TACTTCTACG AAAATGATAA TGGTAATAAG GAGAACAGT TCTGTGTTAC CTATTACATT
 217621 CTGGCTTTAC ATATAACCAT TAATTAAACC TTCACAATGA CCTTGAGAGA GGCATTGTTA
 217681 TAATTCCCTT TTCACAGATG TGGAAACAGG ACACCTAGAG GTGAGATAAC TTGCCCCAGG
 217741 TTGCACATA CTAAGTGATA GAGCTGCTGC AGCATCCATA TTCTTAACCA CTATGCTATA
 217801 CTACCACACC AGCTGATTCC AAAGCTTCTT TTAGAAATAA TATTGCTGGG CCAGGCATGG
 217861 TGGCTCATGC CTGTAATTCC AGCACTTGG GAGGCCGAGG CAGGCAGATC ATGAGGTCAG
 217921 GAATGCAAGA CCAGCCTGAC CAATATGGTT TACTAAATAT CATCTACTAA AAATACAAAA
 217981 ATTAGCCAGG TGTGGTGGCA GGCACCTGTA ATCCCAGCTA TTCAGGAGGC TGAGACAGGA
 218041 GAATCGCTTG AACCCAGGAG GTGGAGGTTG CATTGAGCCA AGATCATGCC ACTGCACTCC
 218101 AGCCTGGCG ACAGAGTAAG ACTCCGTTTC AAAAACAAAA AACCCAAGAA ATTAATATTG
 218161 CTTTATCTG GAGCCCAGAG TGATGCAAGCT TCTGGCCCTC TTATCTGAGA CAGTGTCTT
 218221 TTAGTGTGAA AAAGGATGCT AATTTCCCC CAAACAACCC ACAGTATCAT GGGGTAAGT
 218281 TAATGGCTGG TCTGTGTAAC TGACAAATTT TGTTGCTAAC GTATCTCTAT AACTACTCTG
 218341 TATAAACTTC CTTCCCTTCAG AGTGGAGTT TC TGCTCCCT GCCTTTTATT GCTGCTGCAA
 218401 GCTGTACAAT TTTAGGAGGT CAGCTGGCAG ATTCCCTTTT GTCCAGGAAT CTCTCAGAT
 218461 TGATCACTGT GCGAAAGCTC TTTTCATCTC TTGGTAAGGA TAAGCGTGTG GCCCATTAA
 218521 ACCAATCCCT TTTCTGCACA TGGTCTCAGA GGGTCCCTG ACAGCATGTC CTCATTGCC
 218581 AGGGCTCCCT CTTCCATCAA TATGTGCTGT GCCCTGCCC TTTGTGGCCT CCAGTTACGT
 218641 GATAACCATT ATTGGTGTGA TACTTATTC TGGGACCAGT AACCTATGTG ACTCAGGGTT
 218701 TATCATCAAC ACCTTAGATA TCGCCCCCAG GTAAGAGCTC TACCTGTTT TTCCCTCCT
 218761 CCAGACCCCT CCAGAGGTGT TAGACCTCAG TGGTCGCCGT GAAACTCTTT AATGTTACTG
 218821 ACATTGCACT AATGGCAGAA TGACAAATAA CTACAAATAT CTGCTGTGG CCATTTTTAG
 218881 AACAAACAAAT GTGGCATTTC TAGAACAAACA ATTCCAATC TTGGCCAGTA ATCATTTGA
 218941 CAAAAACCTT CCCAAGCTTC CCTAACAGAG ATTGAACTGT GTATGCTGGG AAAAGGCCA
 219001 CACACAGGTG ATTGGAAAA GTTCCATGG TGTGTTCAT ATTAGCTACC ATATATATAT
 219061 ATATATATAT ATATATATAT ATACAGTCAC AATAAGCCAG CTCCGTGCC AAGACTTGCC
 219121 ATATATCAAC ACATCTAAC CTCACAGTTA TATTAGGTAG GCCCTATTGT TATCCCCATT
 219181 TTATAAGGGA GAAGGCTGAG GCACAAGGAG GTTAAATGGT GTGACTATGG TCACATAAAG
 219241 GCAGAGCCAG GATTGGACT GGGGGAGTCT GGCTTTGGAG TCTGTGTCCT GCCCGTTGCA
 219301 CAAACTGGCT TCTCCACTGA GCAGCCCCGGG TAAAGAAACG TGGTCCAG AGAGACTGCA
 219361 TTGCTCCCTG GTTATTGACT TGGTAGATT GTAATTTCAG GTTGGCAAA TAGACATTGC
 219421 CCTGAATGTC TTTAGGTGAA TGAAAAACTG CATTAAAGCAA AATGACTTTG CCATTAGAGC
 219481 TGAATTGCAT TAAAGTTGAG TTGCTGCAGA AGCTGTAGGT GCCTTCTAT ATAAAATCAT
 219541 TTATAAAATC ATCTTCCAC AGATATGCAA GTTCCCTCAT GGGATCTCA AGGGGATTG
 219601 GGCTCATCGC AGGAATCATC TCTTCCACTG CCACTGGATT CCTCATCAGT CAGGTTGGC
 219661 CAGTTTATTG AACATCTCA AGTGGCAGGT ATTGTTTAG GTGTTGGAGA TACACACGGT
 219721 GCTCTAAAGA TCTGGATGGC AACACAAATTA CTCTATTAC ATGAGCCTCT AAATCAGACT
 219781 CTGGTAGTC AGATTCCCA GAGGAAGAAA AATATAAGCT TATTTCTCA AGATGAATAG
 219841 ATGTTAGATT GATTAATATG AGCTGTTCCG GTGCAGAAGA CAGCACGTGT GACTTCCTAG
 219901 AGGTACATGA GCATGAAACA GTTCTTAGTT ATGACCAGAA TGAAAGACAC ATGTCAAGGA
 219961 ATAGCAAGAG ACGAAGACAG AGGGGCAAA GAAGATCATG AAGAATATGT TCAGACTAAT
 220021 CCAATTTCATA AAAATCACA AAAGGGAAAC AAAGTGTCCCT AGGCCAGTTT AAAGATAATT
 220081 TAATGTCTGG AAACAGATCG GCTGTGAGAC ATTGCAAGGA GGCTTGCTCG GTGTTGGAA
 220141 ATGCAGGCTC ATGAGGAAGA TGAAAAGACA GACCCAGGCA GGGATGGAAG GACTGACGAG

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220201 AACCAACTTA CAAAGAGAAG TTTTGTCCCC ACTACATTTC TATGTGATCA AGTTCCCGAGG
 220261 TTAATATTTG ACTAAACTGC TAGGAATCCA CTGTGACTAT AATGCTGGAA ATGACTTAGT
 220321 AGGGCTTCT GAGGAGGGTC ACACAGAAGA CCAAAGAGAA CTCATGTTGA ATTGAGATGG
 220381 GTTGTAGTGA TAGTTGTCAA CAGCCAATAC AGAAAACAAAA AAAAACAAAA CAAACAGCAA
 220441 CAACAACAAC AAAAAGAAC AGAGAAGACA CAAACACAAT GCCACAATGC CATTAGGC
 220501 ATAATTTTAA ATGAGTAATA TTATATGTTG AAATCCAAAT TTTCAGAAAA ACATTAGTGT
 220561 ATTTTATTT TGTTTAAAGA AATAACCAC TCAACTCAGA ACCCCATGTG CATTAGGCC
 220621 ATTTTGTTC CAATAGTTTC ATAAACATTTC TTAAGTAACT ACTGCACATT GTTCCTTATA
 220681 TTCCTGTGA TCAACATTGC AATACACAAC TGGGAGGGCT ACTAGAACTG GTGTAGAAGG
 220741 AACCTGTGAG ATTGATCATT TTCTCTGTTT TTTACATCTA GGATTTGAG TCTGGTTGGA
 220801 GGAATGTCTT TTTCTGTCT GCTGCAGTC ACATGTTGG CCTGGCTTT TACCTCACGT
 220861 TTGGACAAGC AGAACATTCAA GACTGGGCCA AAGAGAGGAC CCTTACCGC CTCTGAGGAC
 220921 ATAAGTTAC AAACCTAAAT GTGGTACTGA GCATGAACCT TTTAACACATT TTTTACTTC
 220981 CTCCATATTCT CGACCATAG ACTCAGCAGT TCTTAACCTCT GGCTGTGTG TAGTCTCCC
 221041 TGGGGAGCCT TTATAAGACA CTGATACTTG GGACCCACTC CAGAGATTCT GAATGAATTG
 221101 GTCTGGGTG GAACCCAGAT ACTACTAATT TTTAGATACT CCTTAGAGGT TTCTAGCATG
 221161 CGCCCGGGGT TGACAAACAGC TGGACAAACT TGAAAAGTCA ATTCAATGTGG CCTTGAATT
 221221 TTCCATATTG GAAAGTACTA AATAAAATAAA AATTCAATGTG AAAATGATCA CTGATAAAATA
 221281 TCTTCATGGT GGGGCAGGTT ATTGGATGCA GAGAAGATCT GCTCGGAATT GTAGCCATAT
 221341 GTTACAGATC TCAGCACCGA TCGGAACCTGT AAAGCTATAA TCCCCAGAAT TAAAGTTTT
 221401 ATTATTTTTT ATACATTGTA AAACATAGAC GTTTATTTAT GTGATTAAT TCTATTAAAA
 221461 TTTACATGCT AAAAATAAAAGT AGACCATTTC CAAATTATTT AGATCCAGAT ATTTCCATCA
 221521 GATTAACACG ATATTTATTT ATCCTAGCCC AATTGCAAGA GATTAATGAT GAGAAAATGA
 221581 CCAATACAAG ATAAATAAA TGAGGTTAAC TTAGAAATCA AGGACAGAGA AGATAGAACT
 221641 GGAAGGCTTG TATTGTGAGA AGAATGAATG TGAAGGAAGG CAATGTAGAC ACTTCCAGAA
 221701 GGGATAGCAA TATAGTTTAG ACCATATAAT GAAAATTGGA GAGAGATGAC AGAGACACTT
 221761 TCAAGTAAA TGACAAATTAA TATGGGGAG AAAAATATTG AAGACATAAC AAGATGAGAA
 221821 AAGGCATAGA AATGTATCAC ATACAAGGCA TAGAAGTGTG TCACATACAA GAGAAGTTCC
 221881 TTTTGAGCGT AGAAAAAGAT AATTAAACCT TCTTCATATT TTTCTTACTT TCCCAAGATA
 221941 CTCAGATAGG CAGCGTCAC TCTAACAGGA ATTAATTTGG CTCCTAACAC TTAAGACATA
 222001 TCCTTAGTT TGTCTCCTCA CACAGAACTG ATTCTGGTTT TGCCACAAAC TGTCTAGAGA
 222061 AGAAGTTCCC ACCATATTAA AAATCCTATT AAAAAGTGC TTGGACAAAGA ACCTTGGGTT
 222121 AATTCAAGCAG ATGAAGAGAA TCTCCTAATG CAAATCAATG GGTATTTTG AGCAAGTTTT
 222181 TCAGAAAAAC AGAGTGTCAAG GCCCTGAGGG TGGTACTAACAT GAGAAACAT TGATTTGCC
 222241 TTCAATGATAT TGACAAACACA AAGAGGAAAG GGGGTTTGCA GAAAATCAA AGAAGAAGTA
 222301 GAAGAAAAAA GAAAGACATA GTATAATAGG TAGTCAAATT ATGTACAGAA AAAAGAGAAA
 222361 AAAAAGACAA AAAAGGGTGG GGGACAGACA ACCCAACTAA AAAATGGGCC AATGACTTG
 222421 ACAGGGACTT CATAAAAGAG AAAATGTAAG TGGCTCCTTA ACATATAAAA AGATGTTCAA
 222481 CTTCATTAGT CATTACAGAA ATGAAAATCA AAACATACAAT GAAATACCAC TATAAAATTAA
 222541 ACTAATGGAT AAAATGAAAG GAGATGGAAA ACAAAATGTT GCCAGACATG TGGAGCAACT
 222601 GGAACCTTCA TACGTTACGA ATGTGAACTT TGGAAGCTG CTCGGCAATA TCTCCTAAAG
 222661 CTAATGTAC AATTCCAGTG ACTCAAACAT TTTACTTAGA AATGCACATA TACATCCATA
 222721 AAACATGTAC AACAAATGTTC ATAGGAGCAC TATCTGTAAAGCCTGAACA GGAAGTTGTC
 222781 TGTTAAAAAA AGAATGAGTA AATAAACAC GGTCTATTG TATAGCAATG AGAATTAACA
 222841 GACCCCAATA TATAATAGAT GAATGGGTCT CATAAGCACA ATATTGATTA AAGGAAGACA
 222901 AAACGCACAT TCTTTAAAG GTTTATAAAA TACTTTTAA AACACAGCTAC AACCAATCTG
 222961 TCCTGTTAAA AATCAGTGTG CGATTCCCT TGTGCAGGGAA TGGGGTTGT GGCTGGATGG
 223021 ATGGTACTTA AGAAGTGCTC CTGGGGTACT AGAAAATATT TATTCTTGA CTTGGATGTC
 223081 TGTTTACTTT GTGAATATTG TACATTATG ATTGTGTCAC GTTTATGAAAT GTAGAAAATA
 223141 AAACAGAAAG CAAATTCAA GTATCATCCT TTTGAGAGCT TCTGCTCTGA CTTCGTTTG
 223201 ACCAATGGAG CAGTTGGAA GGGGTCTGG TCCTTCGGTC CTTTGCTTTT TTTTTTTTTT
 223261 TTTTTTTTTT TAGACAGAGT CTTACTCTGT CGCCCGGGCT GGAGTGCAGT GGCTCGATCT
 223321 TAGCTCACTG AAAGCTTTGC CTCCCGGGTT CATGCCATTCA CCCTGCTCA GCCTCCCCAG
 223381 TAGCTGGAC TACAGGCACC TGCCACCATG CCCGGCTAAT TTTTGTTATT TTTTAGTAGA

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223441 GACGGGGTTT CACCATGTTA GCCAGGATGG TCTCGATCTC CTGACCTCGT GATCCGCCA
 223501 CCTGAGCCTC CCAAAGTGCT GGGATTACAG GTGTGAGCCA CCGCGCCCGG CCCCTGGTCC
 223561 TCTGCTTCA TGTTCTTCTT GGTCCTGTT CTCCTCCTCT TTTGTTGGAA CTTCCAGTAT
 223621 CAGAGCAGGA AGGAAGGCAA TGGGTCAATC GATGCTGTCA GCTTTGGAT CAAACTGCAA
 223681 GTTCTAAAC AGCAAAATT AATGAGCTCAG GCTTGAAGA AACCATGACC CTGAAAGCAT
 223741 CAGTTGCTTC CAATTGCATC AGTTGCCACG GGTGATAAGA ACAATGATGA CTCAGAATGC
 223801 CTAGGTTTC CCAGCAGCTT CTCTGAGGTT TTCCCAGCAG CTTCTCTGAT TGATTCTGTA
 223861 CAGATGACTT CGGTGTGTCA GACTTTCAAGG GTATCTTCC TTATGTGATG GTTGAGGAA
 223921 GAGTTACCAT TCACATTCTT AATGGCTTCA GAATAGATGC AATTGTGAAC TGATAGGAAA
 223981 CATTCTAACAT TCATCTCCCC TCCCCATCCC TAAAGGATTG TTTCTAACAA TAGTCATGAA
 224041 AATTAATCA CTTTCTCAA ATAGTTTATT GTCATCTACC TAATGATGAG ATGACTTACT
 224101 TTTTCTCCTT GACTGTTAAA TATTATGAAT TATATTAATG TATTCTTAA TGTTGAGCTT
 224161 TCCCTTGAAT ATTCTTTGA TGTACGACAG AATTGATTTC ACTAATAGTT TATTAGGAC
 224221 TTTGGCTGAT GTACTGATAT ATGAGATTGG CTCTGTATGC ATACATGTGT TTTGTGTATC
 224281 TTTTTGTGT CTGGATATGG AGCTTATGCT GATTCAAAA ACAAGAAAGG AGAACCTTCC
 224341 TTTTCCCCA TTACTCTGAA AAAGATTGAC TAGAATGGAA TTTTATAAT TGCTGTTGTT
 224401 ATTTGAAAGC TTGAAAGCAT TGGTTGTAA AAATCATGCA GGCTGAAAGC CATTGAGG
 224461 AGACTTTGAT AACCTTCTCA ATTTCTTCA GTTACTGGTC TTTTAAGGGG TTTTATATT
 224521 TTCTTGTAC AATTGTACCTT ATTTATGTTA TCTTGGAGGA TCATCTATTT TACACACTAT
 224581 TTAAAGTATA TTTGCAAAAA TTCAACTGTT TTATCAGGCT ATCTTTTAA TAATATATT
 224641 ATTTTATCTA TATCTGAGGT TTTAGCTTCT TTGACTTCT GACCCAATTG CATGTGTGCT
 224701 TTCTTCTCC TTCATTAGAC TACTTAGTCA TTTACTAATT TTAAGAATAG CTTGTCTTT
 224761 ATTTATTTAC TTATTTATT TTGAGACGGA GTCTCACTCT GTCACCCAGG CTGGAGTGCA
 224821 GTGGCGCGAT CTCGGCTCAC TGCAACCTCC GCCTCCCGGG TTCAAGTGAT TCTCCTGCCT
 224881 CAGACTCCCC AGTAGCTGGG ATTACAGTCA TGCAACCACCA TGTCTGGCTA ATTTCTGTAT
 224941 TTTTAATAGA GATGGGGTTT TGCTATGTT TGCAAGCTGG TCTCAAACTC CTGACCTTAG
 225001 ATGATCTACC CACCTTGGCC TCCCAAAGTG CTGGGATTAC AGGCATGAGC CACTGCGCC
 225061 AGCCCTGCTT GTCTTTTAT TTTATATTG ATTAGCTTTA TCTTTATCA AGCTTATGTC
 225121 CTATTCCTT TTGCTTTACT TCATATAAAT TTTGTTTGG ATAGTTTATT TATTTTTCAT
 225181 TTAATTATGA AACAGGTTAA AGCTTAGAGG AAAATTGCTC CTCTAAAGTCC AATTTTGTGG
 225241 GCAGATTACA TTTGCTGTG TTGTGCTCCC AAATTCATTG TTCTTTAAT GCTTTATTT
 225301 TCAAGTTAAT AACCTATATA GTAAAAAAAGT GGCTGTTGAC TCTCAGCTT TTTTTTTT
 225361 TTTTTTTTT GTAGATACAG GGATCTGCT GTGTTGCTCA GGCTGGCTG AAACCTGCTGG
 225421 CTTCAAGGGA TCCTCCTGCC TTGGTCTCAC AAAATGCTGG GATGACAGAC ATGAGACACC
 225481 ATGCCTAGCC ATGCTCTCT CTTATATAT AATAAGAAA CAGACACACT GAGGCATCCT
 225541 ATCATCTCAC TCTTGGTTTC ACTACTGTT TCTGGAAGTT TTGCTCTGAC CTTTGCAGT
 225601 TAATGTATTA ATTTGCATT GAGTAGTTT CATAAGAGAA TTATAGCATT TGCAATTCTGT
 225661 TGGGTATTAT ACTTTCACT GTTATTGAA CATAATTGAA GGGCTGAAAC CAAGATGAGG
 225721 CAAGTGAGGT GCCCAGGAAG CAATATTAA GGAGGCATCC TTTCTTAGGC TCATGCAAGA
 225781 ACAGAATTGG CACATGAGAG TGAGTGCCTC CTTAATTG AGTGCCTGGAC ACTTCTTGCT
 225841 CACTTAGCAT ACCCCTGGAC AATGAAGTGT TTTTGTGTTT GTTTTTCAT GTCCATCCTT
 225901 TATCCTCTT CATCTAAAA CATTCAATG GAGTATTGTT TTGGAGCAGT ACTTGGATGA
 225961 GCCTCTGAGT CCCACAGTAG CTGAGAATT ATTTCATAGT ACTCTTTATG ATCACTGTGG
 226021 AGCCTTAAAA CATTGTAATA TTAACTTAGC TGGGAACAGA AATTGTTTC CACAATTG
 226081 CTTATTCAAGA ACAGTATTGA CTTCCTGCTA GTCTCTTCTG ATGTCCAATA TGAGGAAGTC
 226141 TAGTTAGCCA GCTACTTTT GTAGGAGAGC TATGTTTAGG CTAGGTGCTA TAGGATTCTC
 226201 TTTATCCTGG AATTCTTCA CCAAGATGTG CCAAGGTGTT AATCATTTTC TCTTGTTT
 226261 TGGCTGGTGG TCTTAGAGTT TCCTTCGATT TTGTTTATT TAGTGAATTGT CCTCAATTG
 226321 TTTCTTTAC TAAGAATCTC TCTTCTATT ATCTGTATGG TAAAACCTTG TTGCCCCATCT
 226381 TTCTGGTTTC TGCTGACTTT CATTGTTGGA CCTTTTACTT TGCTTCTCC ATGGACTTT
 226441 TGGTAGTGG AAGCAGGCAA CACTTCCAA AGTCTTCTC AATTCCATC AATTCAACT
 226501 TATTCCTAA AATTGCTCA GAATGTGCCT ATGTCCACAA TATCCCTCCT TCCACTTTAG
 226561 AAAGGAAAGG CATCCACACT TTATTTAGGT GCAATGCCTG AAGTGTAAAC ACTTCTGGT
 226621 TGTCAACAAA GGAGTACTTC CAAATATTGG TTTGGGATA ACCTGCTAAT GATTAACACA

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226681 TTCACCTTGG CTCTGGTTT GCCTGCTCCC TCTTCTTTA TCTGCTGTGT GTATTTTT
 226741 TAATCACTGA GAATATGCAC AGTATTGTAT GTTTTATTAT AAGAGAGGAC TGCCAGAGT
 226801 GGGATGTC TGAATTAGA ATAAGTGAAG CAGTACAGGA TAGGAACCTCA TTCTTCAAA
 226861 TGAAGCTGGC ATATTTCCC AGAGCACCAA ATTCAATAT ATATTTAAA AACTTGATAT
 226921 GAATGATACA ATAAAGTGGT TAGAACTTT ATTAAAATAA ACTTATGTCA TGAAATACTT
 226981 ATTCTAATTA TAGTCACTCT TCATCTTATT TCATCTTATA ACATGTTAA TGTTTCTTT
 227041 TATTTACAAA ACAATTATT TTTTGATGAA AAGTTTAGA AATCAAGTTA AAAATATTCA
 227101 AAGGAATGCC TAAAGTTTC AAAATTCTT TACATGTTGT ACAATCAAAA GAGTCTGAAG
 227161 ACCATTTAGC TATCCAATT GTTATTCTT AAGCAGTATC CCTCTAATA TTTACTATTT
 227221 ATAATCCTTA AAAATTGCG TTAGCACAGG AGAATTGCTT GAACCCAGGA GACGGAGGTT
 227281 GCAGTGAGCC AACACAGTGC CACTGCCCTC CAGCCTCGGC GACAGAGTGA GACTCTGTCT
 227341 CAAAAAAA AAAAAAAA AAAAAAAAG GCCAAAACA AATAAACAAA CAAAAAAATC
 227401 CGCCTTAACA TTATTGTT ATTAAAAACT TTCTTAAATA CTACTAGTTT CCCTTCCTC
 227461 TCAGCCCCATT GTCATATTGAT GATTTTATC ACTTGCTTG TAGGACATAT GAGGTTTTG
 227521 TTTTTTTTTT TTTTGAGA TGCACTCTCC CTCTGTTGCC CGTGCTGGAG TGCAATGGCG
 227581 CAATCTGGC TCACTGCAAC CTCTGCCCTC TGGGTTCAAG CAATTCTCCT GCCTCAGCCT
 227641 TCCAAGTAGC TGGGATTACA GGCAACCACT ACCACGCCTG GCTAATTGTT GTATTTCTGG
 227701 TAGAGACGGG GTTTCACCAG GTTGGCCAGG CTGGTCTCGA ACTCCTGACC TCAAGTGATC
 227761 CACAATCCTT GGCCTCCAA AGTGTATGA TTACAAGCAT GAGCCACCTG CCCAGGCCAGA
 227821 ATATATGTT ATTGAGTC CTTTAACAAA GTCTAAAGAA TTTTAGGAAT TCAGTTACTT
 227881 TCTTGAGAAA ATCTCTGAAA AGATGCCAAT AATTGTAGC CAATTATATT GATTCTCTT
 227941 TTTCATATTG AGAATTGTTT TTAAAAAGT TTGTATGTT GTAGATTGTTT GCACTGTAGT
 228001 TAAAGAAACC ACCTGTGTGT TGGTTAACCC ATAAGTACAT GTATTCAAAT AAATTGAGGT
 228061 GGGGTTACTC TGAGAATCAA AGGAAAACCT GAAGAACAG GCAGCCTCAA AAGGTCTTAG
 228121 CTGTAGCAAC TTGCTCCATT GTGAAATAA ATAGGCTTGA ACTTGTATTT TCCCTCTACT
 228181 CAACATTAA GGTCTCAGAA GATAATATAA TTGGTGAAT TTAAGTAAAG TGCTCACTCT
 228241 TTTGTTTAA CAAACCCCTAG AGAGCTGGTA GGCAGAGCCT CAACAGACCG TTTAGCTTC
 228301 CAAAGGGAGT TCAGGACACC ATGATTCAAG ACCACAATAC ATCACACATA ATTGAGAAA
 228361 GATAGTTCCA CCAAATAAAG TTGAAATGCT GACAAGAAGG GGTAAGAAAT CTTGAAATA
 228421 AGTTTATATA AAATTATT TTTCTTTT TATTGTTATG GAATAGGACC AGTTCTACTT
 228481 AAGCCACCCA TTTGCCAAAA TAAAGTGAGA ATCGTTCTT TTGGGGACTC CTCTTGTAG
 228541 CTCCAAGTGC CACTAACAAAT TCTTAGGACC TGAGCTATAA GCCAGGTGAT TTCAGTTAAT
 228601 ATGATCAATT ATTCATTTA AATGGCTCTA ATGTGCAGAG GGAACGGAGC CCATCAGCAT
 228661 TCCCTGCAGG GAACTGCAGT GGCTTTATC AACTTGAACA GCTAGCTTTC AACTGTTTG
 228721 AAATCACTTT CAGGGTGGTC ATGTAGTTGC TTTTTGAAA TCAGAAGATG ATTCTGCCTC
 228781 TTTTAATATG TGACTCCTCA GATTCAAGAA GTGCTCGCTA GTCTTAAGAG TGAATTACCC
 228841 TCAGTGGTCC AGCGCTTATG AACCCACATC TAACCCTATC CCCTGGGGA ACTATCAGAG
 228901 AAATTGGTGC CATGGACATA AGAGGAAGGC ACAGTGAAGC AGAGAGCCCC GCATGATGAA
 228961 AATCAGTGA CAGCATCATT ATTTACAAT TTGTAATCAC CCAGGAGCAT GAAAATCCAG
 229021 GCCAATCTGG CACCATGAGC TCTAATT TTTGAGTT TTGGAACCGA TTCTGATGAA
 229081 TGACTGTTA GCCATTAG AGTGTGGCAT ACGTGGCTGC TGGCATAACAG AGGTTGGATG
 229141 TAAACGGGCC TTTGCCCTCT CTTATGAACA TAGACAGGAA CTAAACTGTG TCACATAGGT
 229201 TCCAAATGGT GGCGTGAATA CTATTACAA CTAAGGTACA ATGAAATTGA GTAAGCTTT
 229261 CCCTCTTTG CAGATACCAT CATTATTCTAT ATATTCTTC AAAGTTAACT ATTTGTATTT
 229321 GGTAAATTGTT AATAGAAATG TAATAATTGC TTCTCAAGTT TAGTCTTTAG TCTTAAGGTT
 229381 GATGCTCTCC ATGTCCTTCC AAAAAAAAGGT ATGTTGCTTT TATTATATCC TCGCCTTCAG
 229441 ATGGGATTAT TCCATTGTT TCTTGTAA TATATACTTT GAGCCACTTT TTTGTGGCT
 229501 CTGGGTGAGA TGCTATAGGT ACAATGACAA GTGATACGTG TGTGTCCT GTCACAAAAG
 229561 TGGATAGCCT AAGTGGTGC TTTTACCTCC ACTCCAAATA TATGTATCAC ACACCAGCCG
 229621 TATGCCAGGC ACCACTCTAG GTGCTAGGGG TACAGCAGTA AACAGACAAA TGCAACCCCT
 229681 GCCCATGTGA AAGAGAATAA GACAATAAT AAGTAAAGTG CATGTTATAT GGAGGTGGCA
 229741 AATGCTAAA AGAAAAATTA AGCAGGCAAG AGGACTCATT GAAAAGATGA CATTGGGTA
 229801 AAAGCCCCATG TATATATGTT CTATTGGTT TATTCTCTG GAGGCCCTG ACTAATACAC
 229861 AATGACTTTG AGAAGTTACT GGCTTTGAT TTATCACACT ATTGGAGTG CTGAGAGCCT

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229921 TCTTAGTGTG TATTCAAGTGT TTTAAGAGAG CTTGTGGATG AATAATAAAT AGGACAAAAT
 229981 TTATCCAAAC TTAAGCCTTG CTTTAGGTAA AAGGGCTCCT CTTACAAGGT AGAAGGTTAT
 230041 TATTGGCAT TAAATCCAA CTGAAGACTA ATAAGACTAA TTAATTAAAA GTTTTAAAT
 230101 CACAACGGG TGCAAAATAA ATGGAACCTGC CATGCTGCC AAGTGTGCAT GAGTGGTGTG
 230161 CATGGGAGAC AGCACGAAGC TAATCCCCTC CATCTTGAG GTTGCTCCAT TTTTCTCCTA
 230221 AAATCAGTAA GACAGAAGCT GGTCAGATTA TCAAGAGCCC TAGTTAAACA CAGCAGTAGC
 230281 ATTGGAAAGG GGTTGCTCTC ATTAGGCAGT GCCTGACCAC AACAAAGAGAT GAACAAGGCC
 230341 TGTATCTGAA GCCATCATGC CTAGTTATGG TCCCCCACTG TTCATGATGC CTGAAAGGGG
 230401 GGCCCCCTGC ACCCTAGAAA GCTGGGTGGG TTCTACTGTC TGCTTACTG CTAAAAAACCC
 230461 TCTTCTTGG ATCTGGACTT TACCTCTATC TGATTTTTT TTCTAAATA TGATTTGGCA
 230521 CTGAGTCTGT CACTGCTGCT AACTCAGCAG TTCTAGGGTC ATTGCCCCAT TGCCCTCACAG
 230581 AAAGAATTTC ATAGCTTCCA GCATCCTCTC TCCCTCATTA TACTTTGATT TCAGCATTGC
 230641 TATTTTTCTC TTGGGGTGTG GCAGCTCTCTC CTCTCCTTCC CATGCTTGT TGTTTTCTG
 230701 CTAACCTCTG CTTTTTTCTC TTTTTTTTT TTGAGACGGA GTCTCGTCT GTCAACCCAGG
 230761 CTGGAGTGC A GTGGCACAAT CTCGGCTCAC TGCAACCTCC GCCTCCGGG TTCAAGCTAT
 230821 TCTCCTGCCT CAGCCTCCCA AGTAGCTGGG ACTACAGGCG CTCACCACTA TGCCCCACTA
 230881 ATTTTGTAT TTTTAGTATT GCTGTATCA ATCCACATGT CCAGAAGCAC CTAGAAACTC
 230941 TAATTCTTG TAGGTATCAA ACCCTAGGAC TCTTCCTCT AATCACAATA TATAATCCCT
 231001 GATTCCAAA CACGGTCTTT TCATATACAT TTTCCACTGT ACATACTTTC TGACCTGGAA
 231061 AGCTCTTACA CAAACACGCC CTCCCCTAGG AAGCCTTTAT AAATGTTCCC AGGAAGAAC
 231121 AGTCACCCAA CAGTGTCTT GTCACATCTT AGGTTCTACA CCTTTATTTG TTCTATCTGA
 231181 ATGTAATCTC CCAGAGGGTG TTATCATCTT TTTTTTGAG ATGGAATCTT GCTTGCTGC
 231241 CCAGGCTGGA GTGCAGTGGC ATGATCTCGG CTCACAGCAA CCTCCACCTC CTGGGTTCAA
 231301 GTGATTCTCC TGCCTCAGCC TCCTGAGTAG CTGGGATTAC AGACGTGTG CACCACACCT
 231361 GGCTAATTTT TGTATTTTA GTAGAGACAG GTTTTCACCG TGTTGCAAG GCTTCCTCG
 231421 AACTCCAAA CTCAGGTGAT CCACCCGCCT CAGCCTCCCA AAGTGTGGG ATTACAGGTG
 231481 TGAGCCACCA TGTCCAGCCC CATCTTTTC TTTTAGTTA GTTCTTAACA AATAGTCTGA
 231541 CACAAAGTGG ATATAACAAT ATTTGAATT ATGAATAACT AAATGAATAT TTCCAGATT
 231601 CCTGGTGCTC TCAAAGTTT ATGTTACAA AGAAAAAACAA GTCTAAAATA CCTGCCTCAA
 231661 GTTTTATCT GTACTATGAT TTCAAACCAA ATAAAAAACAA GGTGGGGTAA AACTGAAAC
 231721 AGGAAATACA TATAACTGAA AAATTTGGT ATGTTAGTAT GATAATACTA GGTCACTTTT
 231781 CCTGTTCCC CAACCTCATT TTCTATAGCA ATAAAAAGAA ACAAGTAAAT GTATATTAAT
 231841 TTAATTAAA AGAAGTAGTC TACCATCTCT TCTGTTAAA AGAAAAAAAGT ATTTAAAAAA
 231901 ATTATCTCG GAAGGATACA CAGGGAACAT TGCTCTGGTT TCTTCCAAGA GAGAAATGAG
 231961 GAACTAGAGA GCATGGCCAA GTGGGGTTT GCTTTGTTT TTGTTGTCT ATCTGTTAGC
 232021 TTTTATTAT TTTCTTTGT AGGTTGAAT TTCAAACACC ATAAATCTGT TACATGCTCA
 232081 TAATAATAAG TTTAAAATAA AACTTTGGC TGGGTGCAAT GACTTACACC TGTAATCCCA
 232141 GCGCTTGGG AAGCAGAGGT GGGAGGATAC TTGAGGCCAG GAATTGAGA TCAGCCTGGG
 232201 CAACATAGTG AGACCCTGCC TCTGTAGAAA TAAACAAAAA TTAGCTGGAT ATGGTGGTGC
 232261 ATGCTTGTAC TCCTAGCTAC TTGGGAGGTT GAGGCAGGAG GATCCTTGA GTCCAGGAGT
 232321 TTGAGGCTGC AGTGAGCTAT AATCACCCAC TGCACTATAG CATGGCAAT AAGGTGAGAA
 232381 CTTGTCTCAA AAAAAAAA AGGGGGGGGG AAACAAATAA ATAAATATAA ACAAAACTTT
 232441 TGTTCAAAAA TATGTAATAT TTAGCACTAA AGAATTCTGA ATTGTAGAGC TAAAAAGTAC
 232501 TAAAAAGTTA ATAATTATTG TCTCCTTAA AAGAATTGTT ATCAAAGTAT AATTTTATC
 232561 CAGAAAATCA TCCATATCAG CAAGCTAAC TTTCTCAAAA TGACATATCC ATGTAATTAG
 232621 CTCCCAGGTA ATTAGCAGGC AGCCTCTACT CAGTTGAGT ATTCCTAATC TAAAATTGG
 232681 AAATTCAAAA TGCTCCAAA TCGGCAACTT TTTGAATGCT AACATGATTC TCAAAGGAGT
 232741 GCTCATGGAA TATTTCAGAT TTTGGATTT TGGATTTGAG ATACTCAGTA TAATGCAAAC
 232801 ATTCCAAATC TGAAAAAATC TGAAATACCT CTGGTTCTAA GCATAAGGGA TACTCAACGT
 232861 GTGTTAGCTA ATTAGACCCCT TCATGGCTC TTCTAGACCT CAGCTCTTC AAGGTAACCT
 232921 CTATCCTCAC TTCTAATAGC ATGAACTTT CTGTTTGTG ATAATTGGA TTTTCAGGAA
 232981 AGTTGCAAAG ATAGTACAA GACAGTACAG GAGAGTTCCC ATATATCTT CACCTAGCTT
 233041 TCCCCCATG TTAGGATTAA ACATTATTAT GATACATTTG TCAAATATAA GCAACTCACA
 233101 TTGATACATG AAACCTCTATT AACCAAACCC TAGACTTTAT GTGGATTCA CCACTGTTTC

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233161 CACTAATGTT TTCTTTCTGT TCCAAGGTCC AATCTGGAAT ACCACACTGC ATTTTCTTGT
 233221 CATATCTCCC TAGTCTTTT TTGTCTGTGA CAATGTCTCA GTCTTTCTT GCTTTCATG
 233281 ACCTTAACAG TCCTGAAGAT CATTGCTT TTTTCATAA TTACACCGA GTTATAGATT
 233341 TTTGAAATA ATACCACAAG GGCAAAGGGC CCTTCTGTGTC ACATCATTG AGGGAGAAC
 233401 TGATATCCAC ATGACATCAC TGATATTAAC CTTCATCATG TGGTTTAGGT AATGTTTCAG
 233461 GTTTCTCTAC TGCAAAGTGA TTTTTTCCC TTAATTAGC CCACCTGAAC TTATCAATT
 233521 TGTTTCTTC CATGACTAAT ACTTTTGTGTTA TTATAGCTAA AACTTCATTG GGGCAAATC
 233581 TTAGATCATG TAAATTTCT TCTATATTG ATTCTAAAAG CTTGTAATGT TTGATACATT
 233641 CTAAAAGATG TAATGTTGA TACATTACAT CTAGTCCTT GATTATTGTT TAGTTACTTT
 233701 TGTATAAGGT GTGAGAGATG TCTCCAGTT CACCTTATTAA ACACATTGTG GTGTTCCAGT
 233761 ACTATTTGTT GCTAAGACTA TCTTTTCTT ATTGATTAC TTTGCCTTAG TTGGCAATAT
 233821 TTTTGTGTT TTATTTCTAG ACTGTTTATC TCATTCCACT GATTGTC TATCTTTTG
 233881 ACAAAACTGT TGATTACAGT AAGCTTGAA ATAGTTCATT TTTTGTGTC ACTTGACTGA
 233941 GTCAGGGGAT AACCAAGCTAT CTGGTTAAC ATTATTTCTG GCTGTGTTG TGAGCGTGT
 234001 TCTGGATGAG ATTAGCCTT GAATAGGTGA TCCTAGTAA GTAAACTGTC TTTCCCAGTG
 234061 TGGATGGCAT TATGCCACCT GATATTCAAGG GTCTGAATAG AAGAAAAGGC AGAGGAAGGG
 234121 GGAATTGAGG CTTTTTTTC TGCCCTACTG CTTGAGCTGG GACATCTCAT CTGGTCTCCT
 234181 GCTCTGAAC TGGGATTAC ATCATCAGTT CCTCTGGTTC TCAGGCCCTC AGATTCAGAC
 234241 TGAATCATAC CACCAGCTT CCTGGGTCTC CAGCTTGCAG ATTACAGATC ATGGGACTCC
 234301 TCATCTTCCA TAAATGCATG AGCCAATTCA GTCTATGTCC TTGAAAATG CCCCCACTGCA
 234361 GATTAAGGCT TTTTCCACT AGGTGAAATA AAGAAGCTTG TTAGACAGAT TTCCCTTCAT
 234421 CCAGTGCCT CTCCTCTTAA AGTTACAACA CATTGGCTAC ACCTAAGTGC AGGGGTGGGG
 234481 ATGAGGGTAT AGTCTCTTG TTTGCTGAGA AGAGAACTGT ATTGGGAAAG CTCTAGAAGT
 234541 GTTTGATACA TACATAAACAGGAGGTT TTTGCACTTA ATTTCACATT ACATTTTCC
 234601 CAGAAAAAAA GGAATGTATA GGCACTACGT AACTGTACTA GCTGGAGTCA TTCTTCCTGA
 234661 TTATCAAAGG TAAACAGTTA TTAATCCATT ACCAAGATGT CAAGGAGAAG TACTTTGG
 234721 ACACAAGGAA TTCTCTGGGA GTCCTTACTA CTCTCAAGCC CAGTGAAAAA GTTAATGAAA
 234781 AACTATAGTA CCTTCCTATA AGCTGGATGA CTAATTACCA GGCTCATTAA GGAATTG
 234841 TTACCAAGTA AAACATAAGG GCAGCTGAGG TGCTGACTGA AGACAAATGG AGCATAGAAT
 234901 AAGAGTAGTA AAGAATGCCA AAAATGCTGT CATGTATCCA TTGACAAAAG GAGCTATAAA
 234961 GCCTTTAGGT ATTTTCACAC TTGCTCTGTT ACGTAAATGT ATGTGTGTGT GTGTGTGT
 235021 GTGTGTGTGT GTG
 //

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1 CACACACACA CACACACACA CACACACACA CACAAATGAG GTATATAAAG GGTCTCCTAA
 61 AATGTCATCT GATATTGTT ATTCATATT CTCAGATTT TAATCCATT AGGTAGGTCT
 121 ATTTTAGATA GCCTTGTCTG AAACAGAGCT GGGACCTGAT GAGTAAAAT GAGCTCACCA
 181 GAAGAAAAAT CAAACAGGCA TTCAGAGAT TGAGGCCAAG AAGTTAAATG TCTTAAATGG
 241 GCAGAGCTTA GCTGCTTGAT GTGAAAAGAG ACCAGCGTGG CTGGAACAGC AAAGGAGAAC
 301 AGCAGAAGAG GTGAACAGAG GCCAGAGATG GTCACTGACT GGGCCCTTAA GTCATGGTAA
 361 GGAGTATGGA GAATGAATT TTGCATGTAT TGAATATGTA GGTGACGTGA CTCACAGATA
 421 CTTTGGATTG GTAGAGATGA AGGAAATGTA GCAAGTGCAC CTCTTAGAAT GTTGATTTGA
 481 GTAAATGGTA GTGTCAGTTA TTGAACCTGGG GAGAACTGGA AGGGATAACA GGCTTAAGGA
 541 GCACGTTAT TCCTGTGTCT TGGAAAGTGT TAGGGTAAA GACCTATTAG AGTTCTAAAT
 601 GGAGATGTCA AGTAAAATG TGGCTACACA CATTGCAATT TCAGAAAAAA GGTCAGGCTG
 661 GAGATGTAAA ATTGGAAGTT TACTGCATAT AGATAGTCTT TGGAACCGTA GTATTGATGA
 721 AGCCATTAAT GAGACAGAAC AAAGACTAGG GACCAGAGCC AAGCTCCAAG TTTCTAAAAT
 781 TTAGAGGATA GTATAGTCTG GTCATTTGA GGTGAATACT TAATAACAGA ACAATTGCT
 841 GAAGTGTAAA TTTAGAGCCC TACACTTTA GCTCTGACTA TTAACGAATA CAGGAAAGAA
 901 TGGATATGGT TATCTGCCTG GTGTCTGTGA AATAATTAA GCCAGGAAGA GATCCTCACC
 961 AGAAACTGAC TATGCTGGCA ACTTGGATCT TAGATTCCA GCCTGCAGAA TTGTTAGAAA
 1021 ATAAATGTCT ATCGTTTAAG CCACCAGTCT GTAGTATTTT GTTATGGCAG TCCAAGCTGA
 1081 CTAAGTTTG GTACCCAGGC GTGGGATGCT GCAACAACAA ATACCTAAC ATGGGAAAGT
 1141 GGCTTGAA ATTGGTGATG GTAAAGGCT GGAAGAGTTT GAGGTTCATA CTAGAAAAAG
 1201 CCAATTGTGA AGGGACTATT GAAAGAAAATA TGGACATTAA AGGCAATTCT GGCAAAGGCT
 1261 CAGAAAGGAA GAGAGCTGGA CAGAAAGCTT CCATTTCAT AGAAACTTAG ATTTATAACG
 1321 ATCATGGATA GAATATTAAA TATGCTGGTT AAAATATGGA CTTTAGGCCA GCCGTGGTGG
 1381 CTCACGCCCTG TAATCTCAGC ACTTTGGGAG GCTGAGGGCA CAGATCACGA GGTCGGGAGT
 1441 TTGAGACCAG CCTGGCCAAT ATGGCGAAC CCTGTCTCTA CTAAAAATAC AAAAATTAGC
 1501 TGGGCATGGT GATGTGCTTC TGTGGTCCCAG GCTACTCGGG AGGCTGAGGC TGAAGAATCG
 1561 CTTAACCCCG GGGGGTGGAG GTTGCAGTGA CCCAAGATCA CACCACTGCA CTCCAGCCTG
 1621 GGATACAGAG CAGGACTCCA CTCCCCCGC CACACACACA CAAAAAATAT ATATATATGG
 1681 ACATTAAGT CAACTCTTGT GAGGTCTCAG ATGAAAATGA GGGACAGGTT ATTGGAAACT
 1741 GTAGAAATCA CTGTTCTTGT TACAATGTGT CAAGAACTTG GCTGAATTAC GCTGTAGTGT
 1801 TTACTGGAAA GAACTTATAA GCAGTAAAAC TGGATATTAA CCAGAAAGAGA TGTCTAAGCA
 1861 AAGTATTGAA GGTGTGATTT AGGTCCCTCT TACTGCTTAA AGTGAATGT GAGAGGAAAG
 1921 AGCGAAATA AAGAAGGAAT TTTAAGCAA AACACAATCA GAACTGGAG ATTGGGATA
 1981 GATTTCTCAA TCTATATTGT AAAATTGAG AAAGTTTTC TTGAAGAGGT ATGGTTGAAC
 2041 AATGTTTCT TTTCTTTTT TTTCTTGGT TTTATTTTA TTTTATGTT TTTTGAGACA
 2101 GGGTCTGGCT ATGTCATCCA GGCTGGAGTG CAGTGGCACA ATCTCAGTTC AGTGCAACCT
 2161 TTGCCTTCAG GCTCAAGCAA TCCTCCCACC TCAGCCTCCT AAGTAGCTGG GACTACATGT
 2221 ATGCACCACC ACACCCCTGGC TAATTTTTG TTGTTGTTTA TAGAGATGGG GTTTTGACAT
 2281 GTTGCCTAGG CTGGTCTCTA ACTCCTGAGC TCAAGTGTAC TGCCCTCCTC AGTCTCCCA
 2341 AGTGTGAGA TTACAGGCGT GAAACACTGA GCCTAGCCTG AACAAACCATT TGATAAAGAG
 2401 ATAATGGGTG TGACCCAAGG ATTTAATCAG CCATCTCAGC AGAAGCCAGG AAGAGAGATG
 2461 GGATTATTC AGCAGAGACA CTGCCAATT AAACTAACGT AGGCAGAGAA AACAGAAAGG
 2521 AACAAAGGAA GGTGTGAGC TTTTGAATT CTATAGAACAA GGATCATAGA GCTACCTGGC
 2581 TGTCAATGTG TACTATTCTT TAAGAAAAGG AAAGACTGAC CCACCAAAGG CAACTTACAA
 2641 GATCACTAGG GCTGACTCTT TTTTGTTTT TCTTGAGGCA GTCTCACTGT CACCCAGGCT
 2701 GTAGGGCAAT GGTGTGATCT CAGCTCACTG CAATCTCCAC CTCCCAGGTT CAAGGGATTC
 2761 TCTTGCCTTA GACTCCCAAG TAGCTGGAT TACAGGCTCT AAATCTGTAC CCTCCCGAGT
 2821 AGCGCTCCTG CCACCACTTG CCCAGCTAAT TTTGTATT TTAGTAGAGA TGGGGTTTCA
 2881 CTATGTTGGC CAGGCTAGTT TGGAACTCCT GACCTCCAGT GATCCATTCT CATTGGCCTC
 2941 CCAAAGTGT GGGATTACAG GCAGGAGCCG CCAGGGCTGC CACTTGTATG TCAGACTCAG
 3001 AGAGTACAGA TGGGATAGGG TGGGGTGGG AACATGTAGT CAAGGCTGAC TCTACCTGTT
 3061 TCAAAGATGC CCTGCAGAAC TGTGTGGGAG TCTCTCACAG ATGGCTGCCT GGGTGGGACC

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3121 CCACCAAAC GAAAGACCGA GACTTCAGGC AGGGCAGATG GAGTAGGCCA ACTACAGAGC
3181 CAGAGGTGAC ACTGAGACAC CACTGGCCT GGAAATCAGG GCATCAAGCC AAAGAGGGTT
3241 TTICCTTAAGA CCTAACAGAA TTTGCCTTGC CAGGTTTGG ACTTGATTAG GACACATTAC
3301 ACCTTCCTTC TTTCTTATT CTCCATTTC TAATGGGAAT GTCTATTATG CCTGTTTCAC
3361 CATTGTACCT TAGAAGCATG TAACATTCT GGTTCACAC GTTCAAAGCT GGAAAGGAAT
3421 TTTGTCTCTG GATGAATCAC ACATTGAGCC TCACCCGTAA CCTGATTTAG ATGATTTTT
3481 AGATGACACT TTGAACCTTA GAATTGATGC TAGAATGAGT TAAGACTTTC AGGGGGCTGT
3541 TGGGATGGAA TAATTTTTT TTTTTTTTG AGACGGAGTC TAGCTCTGTC GCCCAGGCTG
3601 GAGTGCAGTG GCACCCTT GGCTCACTGC AAGCTCTGCC TCCCAGGTT ATGCCATTCT
3661 CATGTCTCAG CCTCCAGAGT AGCTGGGACT ACAGGCGCC GCCACACGC CTGGCTAATT
3721 TTTTTTTTAT TTTAGTAGAG ATGGGGTTTC ACCGTGTTAG CCAGAACGGT CTCGATCTCT
3781 TGACCTCTG ATCCGCTG CTTGGCTTCC CAAAGTGTG GGATTACAGG TGTGAGGCCAC
3841 CATGCCGGC TGGGATGGAA TAAATTATC TTGTATGGGA GAAGGACATA CATTGGCA
3901 GGTCAAGGAC AGAATGTTAT GGACTAACT GTGTCCCCA AAATTCAATT ATTAAAACCC
3961 TAAACCCCAG TGTGACTGCA TTTGGACATA GAGCCTTTAG GGGGTACATA AAACCTAAAGA
4021 TCACAGGATA GGGCCCTAAT CCCATTGGGG CTGGTGTCC TACAGAAGAT GAGACACTTA
4081 GAGCTCTCTC TCCACGCAGG CACCAAGGAA ACACCATAAC AACACACAGT GAGATGGCAG
4141 CCATCTGTTA GCCAGGAACA GATTCTCAC ATAAACTATG TTGGCACCTT GATCTTAAAC
4201 TTCCAGGCTC CAAAACGTG AGAAAATGAA TTTCTGTTCC AAGCCTTTA GATATGGAAA
4261 AAAAGATTCT GTTGTAAAG CCATCCAGTC TCTGGTATTG TGTTATGGCA GCCTGAGTAG
4321 GCTAAGACAA TGAAGGATGT GGTAAAACCTT TACGTCCCAA CCACATACCA AAGAGGCTGG
4381 AATTAGCAT GCTTCTTCT TTCAACTGTA GGCAATGTGC ACAAGTCTA AATCCTAAGA
4441 CATGTTGGCT CCTTACTCT GCCCAAACCA CAACTCAAAC AAACAACTGT AATATAATAA
4501 CATCCAATGA AGTTCTGACA TTTCTCAC ATGAGTACAG TAATTCAATG CCAGAGAATT
4561 CATTTATTG TGAAATCTAC ATGCCATATT CCAATTCTG TTGAAGATGC AATGGTTATA
4621 TTTATTCTTT TTAATATAGA TTTATCAGAC TGGGCGCGGT GGTCATACC TGAAATCCTA
4681 GCATTTGAGA GGCTGAGGTG GGCATATCAC CTGAGGTCAAG GAGTTGAGA CCAGGCTGGC
4741 CAACATGGTG AAACCTGTC TCTACTATAA ATATAAAAAT TAGCTGGGTG TGGTGGTGCA
4801 TGCCCTGTAAGT CCCAGTTACT AGGGAGGCTG AGGTAGAATT GCTTGAAACCT GGGAGCAGGA
4861 GGTTGCAATG AGTGGAAATC GCACCACTAC ACTCCAGCCT GGATGACAGA GCAAAATAAT
4921 AAATACATAA AATAGATTAA TCAGTTATC AATAATATAG TTTCTTTTC TAGGTGTAAA
4981 TATAGGTAAT GACTGTCCTT TAGTACATT TCTCATGATG CTCCTCTTAC TTGGTTGGT
5041 ACAATATTAA GTATTGAAAT AAAATAGAGA ATCTGTCGC TACACATGAG CACTTATTCC
5101 ATTTGCTCAT CTCCAATATG CACGGAAAT TCTCAAATTG CTAATAATCT TGAAACACAC
5161 ATGCATTATA TTCAACAGGA ATATATAAA TTATAATTAT AATTAGGAT CAACAGATGA
5221 CAAACCTTTA GAAGGTTGT ATTTAACCTT AAAATATAAT TTTTAAAAA TTGGTTATAA
5281 AATTCTAAT ACTTTCTTT TTGTGACCTC AAGGGAAAAA TATAATTCTT ATAAAAGTTC
5341 AAATGATTTA CAGAATACAA AAAGTGAATA GAGATGATGA ATGAATTAAA GGAAAGGATA
5401 TTGCTACATA GATTGGAAA TTTAAAAGG GAAATTACGA TTGTTGATTT TGTGTTAAC
5461 TGATCTGCTT TGTTCAAGAT ACCTTATGTA CCAAAAAATG ATTTTATCTC AGCCTCATAT
5521 CTCAGTAAT TCCTGAGACA AACCTTAGTC CCTGGTGCCTT AGGTGCCTT GGTAAATTGGG
5581 AGACCTCTAG GTTGTAGCATC CTCATCCACT CGCCCCAATT TAAATAGTCC TCCCCAGGGC
5641 CATTCAAGGCA AGGGAGATGA AAACTTGTC AAGAGTTGGA ATCCAATTGA AGCTACCGAA
5701 ATTCAATTGCT CAATAGATAA TTTTCCCTGG AAGTAACTAG GGCTTTGAA TATAATAGTG
5761 GGCATTTCAA AGTAGAAGGT AAAGTATTT GGAGATGAGG AGACAGGACA GAGCTACGAG
5821 GAATGTCCTT TGCTCAGGGAA CTAGGCTTT AGCAGTACCT CTTAGGTAAG AACTGGTTAA
5881 CTGGCACCTT CTGTGTTCT CTGAAGCTCC CTTTGCTTAG GGACTAGGCT CTTAGCAGTA
5941 CCTCTTAGGT AAGAACTGGT TAACTGACAC CTTCTATGTG TCTGAAGCTC CCAGAACAAA
6001 CTGCCAATGA AATTGGATT TTGGAATAT AGTTCTTT TTGTTGTTAC TTTTGTGTTT
6061 GTTGTGTTTT TTTGAGAGTC TCACTCTCAC TGCAACCTCC CCCTCCTATA TTCAAGTGAT
6121 TCTCTTGCTT CAGCCTCCCG AGTAGCTGGG ACTACAGGCG TGCACCTAGCA TGCCCAAGCTA
6181 ATTTTGAT TTTTAGTAG AGATGGGGTT GGTTTTTTTG TGAGACAGAG TTTCACTTTG
6241 TCGCCCAGGC TGGAGTGCAG TGGCACGATC TTGGCTCACT ACAACCTCCA CCTCCCCGGGG
6301 TTCAAGTGAT TCTTCTGCCT CAGTCTCCTG AGTAGCTGGG ACTACAGGCG CCTACAGGTG

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6361 AACACCGCCA CACCTGACTA ATTTGTGTAG TTTTATTAGA GATGGGGTTT CGCCATGTTG
 6421 GCCAGGCTGG TCTCAAACTC CTGACCTCAG GTGATCTACC CACCTCAGCC TCCCCAAGTG
 6481 CTGGGATTAC AGATGTGAGA CACCAGATCA GCCTCAGAAG ACATTTCTA TTGGAAAGAG
 6541 AAAACACTAT TAGCAACCTA TTAGTCTAAT ATTTAATACT TAATGTCTTC CTTAGTAATA
 6601 AACCAACTCT CTACAACAAA GTGCTTCCTG GCTGCCTAGT CATTGATTCA TTCAGTTCAA
 6661 CATTTCCTCA ATGCCAACACA GCCAAGTGTc TCCTGTATGC CAAGTTCTAT GCTGATTATC
 6721 AGTATTGAA TAAGAGGGGG TCTACATCTT AAGTACTGCT TAAGATGAAA GCCTCTAGGT
 6781 TAACAAACTT AACACAATGT ATCATTCACT ACTAAATAGA CCGAATACAA AATCTTGTAA
 6841 TTGGAGCCA GAGAGAAGAA TTGAAATTCA AGTTTCTCT CTCTCCTTT CTCACTCACC
 6901 ACAATAAGTC AGTTGCACCA AGTCTTGTAG CTCTTACTG AGCCATGTTT TCACGTGTCC
 6961 CTTTGTNTA TTTGCCACAC CCTAAATAAA ATTGTACTG GCTTTTTTC CCTGGGTTTA
 7021 CAGTATTAAAT ACATTGTCAA GATTACCTC TTCGTGTAGA TTCCCTGGGG AAAATTACCT
 7081 TTCCTCCTTC CCTTAAATTc TTCAGAGGTT AGAAAGCCAT TAGTAACATT CTGGTATGTG
 7141 GACAAAGTT ACCCATTATG TATGGATGTT TTACTCTTC CATTTCCTG ACAATAATCT
 7201 CTTAAGGAGG TGTGGTTATA GAATAGTCAG CTGTTATAAG TACTGTTTTCTGCTTAC
 7261 AACTTAAATT CTTTAAGCTG TTTCTTAGTT TGCTCATCTC AAAATTGGA ATAAGGATAA
 7321 AACCTATCTC TTAGATTGTT GGATTAAATG AATTAACATA CTGGAAGCTC ATGAAATGTG
 7381 CCTGGCACAC AGTAGTGCCT AATAAACAT CTCTCTTATT CAGCCTGTTT TCTGATTCA
 7441 GAATCTACAC TTGCTGAGCC AGGTTCTTT CATTCAAGG TGAGCAAAAG CATACAAGGA
 7501 AGAGATGGAG GTAGGAAGAG ATTAAGCCT AGGCCAAGGG AGCTGGAATC AAAGGCAATT
 7561 TGGTCAGTGA ATAAAAAGGA TTCCAAGGCC CATAAGGCAA TTCTAACCTT AGGATCGAAA
 7621 TTCTCGGACA TACAGGAAAT GCTGGGGGGG GGAAAATCCG GTCTTCTCAG CCCAAGAGCC
 7681 ATGTGAAACCC AGACCTCAA ATCTGATGAT TCTCAGGCCA GCTGCCATT AGAATCGTTG
 7741 TAATTAAAAA ATACCCCTCGG AAAATTCTAA TATGTGGCTA TCAAAGGTGA TCATTTGCTT
 7801 TTATGCCACT TTGTTTCAc CCAAATGGGA CATCCAACCC TTTTCCTTTG AGAGTAGTTG
 7861 TAGGGAAAGG AGGGGGTGGG GGGAGGGAAAG AGCGGAAAAG GCTGGATCCG CCCCAGGCCG
 7921 GTGTCAGTAT CTGGGAAGTG GGAGGCGCGT CAGCAGTAAA CAGCTCTGC TAGGATTATT
 7981 ATCTCCTGCC ACACACTCGG ATTTGAAGGC TCCAAACGAA ACAATGCAA ACGCTTCAGT
 8041 GGAGTTCCAG AAGCGTTAGA CTAAACGACT GGGTCTGTT GGCCAGTCTG AGCAGCTGGG
 8101 CGCAGATGCA TAGGCAAGAC TTAGCCGCC TAGACTTTTC TGCCCACCTTA ATTCCGATCA
 8161 AAGCAGAAC CGGCCGGCGC CGGTGGCTCA CGCCTGTAAT CCCAGCACTT TGGTAGGCAG
 8221 AGGCTGGCGG ATCACCTGAG GTCAGGAGTT CGAGACCAGC CCGGCTAACCC TGGTGAACACT
 8281 CGTTTCTAC TGGTGGCGGG CGCTGTAAAT CCCATCTACT AGGGAGGCTG AGGCCGGAGA
 8341 GTCGTCTGAA CCCGGGAGGC GGAGTTGTA TGCACTGAGC CGAGATCGCG CCACGCACTT
 8401 CCAGCTTGGG CAACAGGAGC AAAACTCCGT TTCAAAAAAG CAAGCAAACA ACAAAAAAAA
 8461 TGCAGAAACC GAGATCCGG AAAAAACCTC GGCGAGATTC ACAGAATCCA GGAAAATAGG
 8521 TCTCTAGAAA TTTGTCCATG GTCCCAGATC TCCATTCTT GTGGGTGGGG CAGCTGTTAC
 8581 CAGATCCCTA GAAGCAAAGG TTTTTTGGG GGACCGTGTc TCACTGTTGC CCAGGCTGGA
 8641 GGGCAGTGGC ACGATCTCGG CTTACTACAA CCTCCGCCTC CCAGGCTCAA GCGACTCTCC
 8701 TGGCTCAGCT TCAAGAGTAG CTGGGAGTAC AAGGTATGTG CCACCAAGGCC CAACTTATTT
 8761 TTTTATTAT TATTTTTATT TAGTAGAGAG GTGTTTCACC ATGTTGGCCA GGTTAGTGTG
 8821 GAAGTCGTGA CCTCAGGTGA TCAGCCCCCT CGGCCTCCCA AAGTGGTAGG ATTAGAGGGG
 8881 TGAGCAGAAA GCAAAGGTTT TTGAGTGGCC ACAGGCCCA CTCTATTCC TTTTCTGCCT
 8941 GTAATGGCAA CCTAGACGCT TGAGCTCTT AAAATACAAG AGTAAGTGC ATGTCAGGCA
 9001 CGTTCTACA TTAGGGACAT TAGTCTGTT TACAGACACC TTTCAACTCC CTGGTTAACT
 9061 TTTAGGTAAAT ATACTCTGCA CTTTAGCAGG AATGGAACCT ATAACCTCTCA CAGAATTAGG
 9121 AAAGTGAGGC TGCCTACAGC CTAAATTGAG AAAAAAATAG ACGGGGGACT AGTCGGAGGA
 9181 CAAACAAAGG TTACCAACAC GTTAGAGTTT TGCCCTCAAT TTACATTCTT AAAGTAATCA
 9241 CAACGAAGTG TTTAGATCAC GAGGCATCCC TGCACTGAAA CTGTTAGGCA CTAACATATGG
 9301 TCGATCTTAC AAAGCATTAA CTAGAATATT TCTTTAGAGT ATGATAGTAC GTAACGTGACC
 9361 TACTATTACA TACAAACAGA CCAACCTTTA GTAACAGCGC TCCCCAAAAA CCGAAAAGCA
 9421 GTAATACGCT TTGCTCAAGG TTGGCATAAA ATTAACCTAC CTTAGTGCCT TTTTCTCTTC
 9481 TACCTACAAG CAGTGGAGGTT AGCTCTCCT TTGAAACGGT AGGGGGCTC TGAAAAGAGC
 9541 CTTGGGTTT GATAGCGTTT CCGGGAGCTC AGATACCTGT CAAATCACTT GCCCTTGGCC

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9601 TTGTGGTGCAC TCTCGGTCTT CTTAGGCAGA AGCACGGCCT GGATGTTAGG AAGGACGCCG
 9661 CCCTGAGCAA TGTCACCCG GCCTAGCAGT TTGTTGAGCT CCTCGTCGTT GCGGATGGCC
 9721 AGCTGCAAGT GGCGCGGGAT GATGCGAGTC TTCTTGTTGT CGCGAGCCGC GTTGCCTGGC
 9781 AGCTCCAGGA TCTCGCGGT CAGATACTCT AACACCGCCG CCAGGTACAC CGGCAGCCT
 9841 GCCCCAACCC GCTCTGCGTA GTTGCCTTTA CGGAGCAGGC GGTGCACTCG GCCCACCGGG
 9901 AACTGGAGAC CAGCGCGAGA AGAGCGGGAT TTCGCTTGG CGCGAGCTT GCCTCCTTGC
 9961 TTACCCACGTC CAGACATTGC AATCAGACAA AAATCACCAA AACCAGCAGC CTAAGCTCAC
 10021 GAGAAAACAA ACAAAATCAA GAAATATGTA AAACATGGCC GCTTTATAG GTAGTTCCCTG
 10081 GGGAGTAAAT CCGACTTTTT GATTGGTCGG TAGCAAATGC TAGTCAGATA GCCAATAGAA
 10141 AAGCTGTACT TTCATACCTC ATTTGCATAG CTCTGCCAC GGATGACAAC TGTGTAGTTT
 10201 GTCTTCCAAT TAACTAAGAG GTACTCTCCA TCCCTCATTA GCATAAAAGC CCTATAAGTA
 10261 GCAGAAATCC GCTCTTTACT TTGACACAT TTCTGGTGT TTAAGATGCC TGAGCCAGCC
 10321 AAGTCTGCTC CGGCCCGAA GAAGGGCTCC AAGAAGGCAG TGACCAAAGC GCAGAAGAAA
 10381 GATGGCAAGA AGCGCAAGCG CAGCCGCAAG GAGAGTTACT CTGTGTACGT GTACAAGGTG
 10441 CTGAAACAGG TCCATCCCGA CACTGGCATC TCTTCAAGG CCATGGCAT CATGAATTCT
 10501 TTCGTTAACG ACATATTGAA GCGCATCCCG GGCAGGGCTT CCCGCCTGGC GCATTACAAC
 10561 AAGCGCTCGA CCATCACCTC CAGGGAGATC CAGACGGCCG TGCGCCTGCT GCTTCCCGGA
 10621 GAGCTGGCA AGCACGCCGT GTCGGAGGGC ACCAAGGCCG TCACCAAGTA CACCAGCTCC
 10681 AAGTAAACAT TCCAAGTAAG CGTCTTAACA CCTAACCCCCA AAGGCTCTTT TAAGAGGCCAC
 10741 CCAGATAACCC ACTAAAAGAG CTGTGGCCAG ACGCCAAATT TTATTGGCG GCGGAGGGGT
 10801 ATTAGAATGT AGGAACCTGGA GAGGGGTGGG GACAAGTGTGTT GCAGCTTAGA GAGGGACAAA
 10861 GGGTCTGAA CCCGAAAGAA GCCAGCCATT AAAATGGGT TTGGGTCAA TTGTTGTGC
 10921 TTAAATTAA AATGGGGACA AGCGGCCATT TTGCTAATC GGCCTTCCCG GAAGAAACCG
 10981 CAGGCTCGCT TAGGTTTCAG ACCCAGCTGT CTGTCCTGT CTACGTGCC AGGATCAACG
 11041 GTTGCCTGAA TGTCTATAATT TCGCCACCAG CCTCTAGCCA ATAGGCTGTC CTGTCATTTT
 11101 AAATATTAAC CAATCGAGGG AAAGCTGTT TGAGACTCTG ATTTACATAG CGGACCGGAG
 11161 TGGGAACCTG GGCAGTAACT GCCTAAGGAA GGACTCCCCC TCTGTTTCG TGGCGCACAC
 11221 CTTCTAGTA TACTGAAGGG TGTCTCTCCT GGGTTTCAA CTGCCCCGGT AATAGTCTTT
 11281 TAACCTAATA TGCGTCAGTT TTGATAACAA CACTAAGGCA GTACAGAACT AAAGATGTAA
 11341 GCACTGCGCC AGATGTTGCT TCATACATCT TATTCTATTG AACTGGTTA TTCAAGATTG
 11401 AAATCAAATC AAATTTGCT TGAATCCCAG TGCTCAGTCA GCCATAATG GTGTGTTGCC
 11461 TGATTGAAAC TTAAAATCTC CGTAGGGGGC TTGTAACATG CAGAAAAGTT TGAAAGTTGC
 11521 TTTAGGAGAA GCCAACTCTT AACTGCTGGG TAAATTGACA AGCCTCGAA CACTGAAC
 11581 AAGGCCAGTA AGGACTAGGC GCTGGTGGG GGAGAATGAA GAGGAGACGT CATTAAACTT
 11641 AGCACATACA CTGTCCTCC TAGAGGACTC TCCCTTCCTA GACAACGTCA GGGCGTTTG
 11701 TGGCCTGGGA AATTCCACAT TCCCTTAAGT ATTTACTCA TGGTCTTTT CAGGTAAAGA
 11761 TTTAAGATG AAGGGTTAGA CGTAGTCTAC CTATTTTT ATTCAAGTCT AGAACACGTT
 11821 TTTAGCACCT AGAAGTTGCT TTTCTCCATT AAAACCCGGG AATATACAAT AAATAAAATT
 11881 AGTGTAAAG CAGATTTTA CAAACTAAA TACCATGTAA TTTAGGTTAC AGTTACTTAA
 11941 CATAAGGACT GTGTGATCTT AAATCTGCAA TTTCTTTAC ACCTGGAAA TAAACTAAGG
 12001 CCTGCTTTG GTGCCAGACA AGGCCTTATA CTTGAACACT GCTGTGCAAT CACAGGCTGC
 12061 CTTGCCCTAGA TAACTTATCT GAGAAATTCT GATGAGAAAT GAAATTCCA GAGTCCCTCA
 12121 CAAGTAAATT TTTTTTCTT TTTTTTTT TTTGAGACGA AGTTCTCTC TTGTTCCCA
 12181 GGCTGGAGTG CAATGGCGCG ATCTTGGCTC ACAGCAACCT CCGCCTCCCG GTTCAAGGC
 12241 ATTCTCCCTGC CTCAGCCCTCC GGAGTAGCTG GGATTACAGG CATGCCAC GACACCCCTGG
 12301 CTAATTTGT ATTTTAGTA GAGACGAGGT TTCTCCATGT CGGTCAGGCT GGTCTCGAAC
 12361 TCCGGACATC AGGTGATCTG CCCGCCTTGG CCTCCCAAAG TCCTGGATTA CAGGCTTGAG
 12421 CCACCGGCC GGGCTAAAT GTTTTTTTT TTTCTATGC CTCTAATGGA CCTGGTCACT
 12481 TATTCCCATC CAGACTGACC GCTCTCTAC CTGCCAACTA ACTAACAGT GTAACCAAA
 12541 TCTGCAAACA AAATTCAGTA TTCTTTCCCC GCCTTTCCC CTTCTCTTA CATAGATTAT
 12601 GTTTTGCT GTGTTAGATG AAATAATTCT ATTGCTTGTGTT CTCTCTCTG TACAAGTACC
 12661 CAGTAAGCAA ATTATTAAC TCTTGGTCAT TTATTTCTGA ATTTTCCACC AAGACAGTGT
 12721 TTATGTGAGT CATAACAATAA GAACCAACAG AAATGTGTGT CTTGGAAACA GGTTGTCTAT
 12781 CCCTGGACCC TTTGAGTTTT CTGTTCACTT TCCTTTGGCT TTTGCATGCT AAAAGTTAT

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12841 CGTCCGCGTT TGTTTGTGTT GGTTATTCTA ATTGGACTTG GCTGATTGGT TGCATATTGG
 12901 TGGCAGTAGT AGAATTGAA TTCTGGTTT CTGGTCACAT CATTAAAGTGA TTAGTCAGTG
 12961 GAGAGGACAG GAAATCTGGT TTATTATTAA ACCTTTTTT GGGGTGTTT TGGTTGAAGA
 13021 TGTTGATATT CTCTGTGAGG ACACAGGGTT AGAGTTGGT TTTTCTTTC TGACTTTACA
 13081 TGGGATTGTA TGTTTGTGC TTGTATGCCT CTTCCACCT TCCAAAACCT GTCTTTTTG
 13141 AGTCCAAATA GTTGTGATA TCTGCAAAAC CAGTATTCCCT GTGTTAAGAT GATATGAATA
 13201 TAAAATGGCT GCCCTGTTAT AACTTTGAC TTTAAGAAG TGTTAGGACT AACAGGAGAC
 13261 AAAAAGGAAA TCAAGGAAAC CAAATGTCTG GTCTCAATAA CTGCTATGCC AGAGGCTCTA
 13321 CAGCTTATTA TTAATTTCAG TAATTCACA TTATTGCCCT TTCACGTTCT TTAAGTAAGG
 13381 TTAGAGGACA GAAGAAACAT AATGTTGTTA CAAATTGGAC TATTGAGTCA GGAAAAAAA
 13441 AGAGTGCTT CAATATCTGA ATAAAACAAA GATTTAATAT TTTCTAAACC TTAACGAGTT
 13501 TATTGTAAGG GATGTGATGC TGAAACTAG GAAACTAGAA TTTTCTCTA AACTGAGAAT
 13561 CAGAATTATT CATATTCTCA GCAGTGGTGC CACCTGAGGG ACTTCTGATC TTAATTACAT
 13621 ACTTTTATTCTT CTTAACATGCA TCAACATGCT AAATAGATAA CCTATGGCTC TGTTTTTAC
 13681 CACTTTAAAT TCTGTTCTAT TAGCACGGTT AGCTTTCTA ATTGGCAATA AGATTGAGAC
 13741 TATCTTTTTT TTTTTTTGAG GACAGAATT TGCTCTGTGG CCCAGGCTGG GGTGCAGTGG
 13801 CACAATCTCG GCTCACTGCA ACCTCTGCCT CCAGGGTTCT AGCAATTTC CTGCCTCAGC
 13861 CTCCCCAGTA GCTGGGATTAG CAGGTGCACC ACCACGCCTG GCTAATTGT GCATTTTTAG
 13921 TAGAGATGGG GTTTCGCCAT GTTGGCCAAA CTGGTCTCGA ACTCAGGTGA TCCACCTCGG
 13981 CCTCCCCAAAG TGATGAGATT ACAGGGGTGA GCCACCGTGC CCAGAAAAGA CTATCTTATT
 14041 TTATGAATTAAATAATTGT GAAATTATCC ACTTAAGGGA ATTAATAAAT TATAATGTAA
 14101 TCTTAAATTAGG TAGTTGGCTT ACATAAAGAC TTAAAATACA TCAATTAAA TAAAACCTCA
 14161 TTTGTCTAAA AAAAATCAA AAATTTCTCCT TGTGCTTAA ATGTGCTTAC TCTTTAAGTT
 14221 CTAATTAAGA GAAAAAAAGT TTAACTGTGA GTTTCATTAG TGTTCTTAGT TAACAGCTTA
 14281 AAGTATTTTG TAAAAAAAT ACTTCACAAT TTTAAATAA CTTAAAATAA TTAATACCTC
 14341 TTTTATTAGG TTTTTTAAT AAGGAAAATA TATAATACAT CTAATCAAGA TTATTTTTG
 14401 GACAAATTGG CTTAATAATT TCATTTAAA AATGGCTTCT TTATTCTTAT ACTGTAAAAA
 14461 TAATATTAGC AGAATATTAT AGTATACACA AGTTTAGGGT TCATATTCTA AAAAACAAAA
 14521 ACAAAGCTA ATTTAACATTG CATTACTAA ATTCTTCCA CTAGTTGTAC TGTTACATG
 14581 AGTAAACATC ACTTTATTAA TTATTCTAAA ATTGTAAATT ATTCAATGAA CCAAATTAAA
 14641 TGATAATAGA TAATGTCATT TTTAAAATG GAATTAAATT TTATGTTACT AATTATAAGG
 14701 ATTCAATGTG TGAGCTTAAG TACTGAGTT ACAGTGTATG ATAACTTAA GAATTAGGT
 14761 GAATATTATT AAATTGAGTA AATTAATTCT CAATCTTGG ATACCTGGAC AATTCTAAA
 14821 TTGGAGGGTA CAAAATACAA ATCACAAGAA ACAGTGTAGT TTTATGCAAA TAACATTTT
 14881 ACACAGTTA GAATAACCCT TGATAAACAG ATAAGAGAAC ATATGATTGC CTAGAATAG
 14941 ATACTGTGC TTTCGCCACT TTAGATTGT AAATCATGTA CTGTATACGT GTGGGCGTAG
 15001 AGGACCATGC AGGTTTGGTA TGACTGCCTC TGTTTTCGTC ATGCCTATGC GGGAACACAA
 15061 TTGCCTGCTT TGTTTAAGGG CTATGGTTAA TCCAAACAGC TCTGACTCTA TCAAGTACTA
 15121 TAGCTACAGA GAAACACAAG TAAGCATTGAG AGATAATGAC TACCTTGAGC CTTTACTTAT
 15181 TTAAAAAGTT GTTACTGTTT GTTAATGTGG TACATTCAAT TTACTATGGA TTGTCACTCT
 15241 AAAATAAGAC TTCAATCTT TTCTTATTAA TATATAGCCA TGATTATAT TCATATCTTA
 15301 ATGTAATAAC CAATCTTCTC TGACAACATT ATAACAATGC TGGAACCTCC ATTTTCAGTA
 15361 CTTCAAACAA CAAATACTGC TTTTATACTT CAGAGCAGAT GGATATGTGC TTCCCAGTGT
 15421 AAACACATTG GGAATCTCAC TGAGAAATAC ACTATCACTA AAAATACAGT TCTGAGATTG
 15481 ATTAAAAGAC CTCCAGAATT CTGGAAGTAG GAAGTTTCCT CTTCAAAGTC TACAGAGGAA
 15541 GACGAGGTCT GAAATAGACA GCTTCTTCCT TCTTTTACCT GTGGTATTAT TCTGTTTTGT
 15601 CCTTTCTCC ATTATCTGTC TTTCCAGTGA TGAAATTGG ATCTGGCCCT CCCAAGTATT
 15661 AAAAACAAAG CAAATAAACAA AATCTCAGTT ATATTTACT AAGATATTGG CATGCTAACT
 15721 TTTTGCAGGT TTGTAACAAG GACCTTATA ACTTGACTAA AAGTCTCAA ATAAGAATAT
 15781 TTACTAGAAA ATTATTTCTC GCCTGTGGCC CACATTGAG TCAAAATAAT CAATTAGGAA
 15841 AAATGAACATT GTTAACTAA AGTTGGCCAA ACTGATCTT GAGACCTATT CATCTAAGAC
 15901 AAGCCAATTA AATTCTTGG AACAATTGTA ACTTTAAGGA ATTCTTATAA TATTGTAAAT
 15961 TACCCCTCATA ACTTTTTTT TGCCCTACTT CTGTGCTTCT CTAATATGCA GATTATTAAA
 16021 TGTTGTTACA AAGCCATTGT CAAAAAAACA AAAAACAAAA AACTAAACAA ACTCACATGG

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16081 TTAGACTTGC TCCTTTATGA GATATTTTA CAAAAAATGG AGGAGTTGAA AACTCTGGT
 16141 GCCAGAACAT GTGAAGACAT GGCCTACCTA ACTTGGAAAT GTTGGTTGTC AGTGGAAAAT
 16201 ACTACACAGA GATAGCCATA GTGCTGCACA GCCAATCTTA AGTGTTCCTA GAGAACACT
 16261 AATTGTTCT AGAGAACATC TAATTGTTT CTTTAACAT TCTTGGTTA TACAAGAAGA
 16321 GAGTATCCAT ACTAAACTCT TTTCTACTGA AAATAATGTG CAAACATAAC ATCCTATTCC
 16381 TAGACAGTTT GTAGTTTTT TCTCCCATT CTATTTATA AATCATCTT TTAAAATACT
 16441 TTGTTGAGTG AAATCAGTCC ATTGCTTGAT ATACCTTGAG CACAAGTAAA TAGTATGCCA
 16501 AAAATTAAAT GTCTTCAGT CACAGTTGA CAAACTCAAC TACCCCTGAGC CTATAGAGTG
 16561 GTAATAATTG CCCTACTCAT AAAGATGGGG TGAAGATTAA ATGAAATAGC ACCTATAGAA
 16621 CACTAGTCC AGACGTGGTA TCATGCTAGT AAAATGGCTG CACAGCACTG CTCATGATG
 16681 ACAAAAAGTG AAGCTTCTGG AGACAGACTC CAAGTTGAC TCCCAGATCA CCACATATAA
 16741 GATGTTGGAC TCTGAGGCAG GTCATTTAAT CTCTCTGTGC ATTAGTATCC TTCTCTATAC
 16801 CTTTACAGTG ATGGTAATAG CACCTACCTT CTAGAAGTAT GTGAAGATTA AAGATCCTTA
 16861 ATGCATATAA ACCACTGTGT TTACTGCTGT TTGACAAATT TTATTTATAA CCATCTTTAC
 16921 GCTCCTAAAA GGACTTGAAG CAGCTTATGA CTGAAGACTT TGGTAGGAGT TGGCCTTCTA
 16981 TAAATTATAA GAATTTCATA AATTATTGTA TATGAAAATG CCAGTTGATC ATAGTATGTT
 17041 TACCGGGGTC CAACAGGTTG AGAAAAAATA CACTTTTTT CCCTGAACAT ATGAAATTAG
 17101 CTCTCTAGGC ATATTCTAA GGACTTAAAG AATGATAACT ATCATTCTC TTAAATCTTC
 17161 CAGATTGGA AGGATATATA TATTCAGCAC ATTGACAGAC AATCCCAGTA GTCCTAAATT
 17221 AAAAGACATT AAAAATTAGT GAAACTTTTC CTACCTTTAG CCTGTGTAAT CCTGGATGAC
 17281 CAAGCATAAA ATTAAATTGA GTAGAGTATA CCACTGTAAC ATTTCTGAA AGTATTCTA
 17341 GGCTCTGAGT AATTCTTTG GGGCTGAAG ATCAGTTGA CATATCCTCA AGTATCATGA
 17401 GTTCATTATA ATTAAGAAAA AGGGAGTAAA TCTGGAGAAT GAGCCACTT CTTACTACTC
 17461 CTTGACCTCA GTTCTTTTT TCAGAGACAG GGTCTCACTT TGTTGCCAG GCTGCCAGGC
 17521 TGGAGTGTAG TGGCGCAATC GCATCTCATT GTAACCTCCA CCTTCTGGC TGAAGCCATC
 17581 CTCCTGCCCT AGCATCCTGA GTATCTGGAA CCACAGCAGG TGACACCAC CATGCCAAGC
 17641 TAATTTTTA AAAAGTTTT TGAGAGATG GGGCTTTACT ATGTTGCCA GGCTGGTCTC
 17701 AAACCTCTGG GCTTAAGTGA TCCTCCTGCC TCAGCCTCCC AAATTGTTGG GATTACTAGT
 17761 GTGAGTCACT GTACCCCCGCC CCACTTCAGT TCTGAGGAGG AAAAATATG TAATAATAAT
 17821 GGGACTTTGG TTTGCTGATT TAAAGATTCA TGTAACCTTA TCATCCAATG CGCAATTGTT
 17881 AGAATAATTAA ATAGAGACAT CTGGTCTCAT GTTCTACAG TTGCTCATGC CTTGATAGTA
 17941 GATCTCCTTG CTGCTGGCTC AGAAGGTAA AAGAGCAGAA ATGATGGGC TTCTCTCATT
 18001 CTATGAGGAA ATAGACCTAT GTAGAGGAGG CTACCTGTGG TAAAACCTTA TCCTCATCAC
 18061 TTAAATTCT AGGCTTATTTC TCTGACCATA TCAAGTTTTC AAATGGTAAA AGAATTGGAT
 18121 TCAAGAGAAA TATGAATAA CTTTGTGTT CACTTTCTC CCTCCTCTCC CCCATTCTC
 18181 CCTTCCTTA TTTCTGTGTC CTTAGTTTC TTTCACTTT TTTGTCTACT ATTATTTGCC
 18241 CAAACTCAAC TGTAGGCTAG AACAAAAAA AATTGAAAAT TAAAATGTGC CCCTTTGTT
 18301 GTTAGACTTG CTTAAACAAAT TGGGTTAATG AACCTTGGAC ACTAGATTTT AAAACACACA
 18361 CATTGAGCT TCAGTGCACT GAAATAATA TATTTTTAAC AATTAAAAAA TAAAATTGCA
 18421 TGTAAAAAA ATCTGCAGAG AACAAATACAC GTTGTGAGAT CTTGAATGGA AGAAAAACTG
 18481 CTAGCCTCAA GAGTGGATCA AAGATGCTCA GCAGGCAACA GAGTAAGAGC ATGTTGGAGG
 18541 GTTTAGAGAG TGTGCTCAGG GTTCTAGGCT CTAAAAATCA GACAGTCCCC ACGGCCTGGC
 18601 CTTCGTCGCT GTATCTTCTT TATGAAAAC ACTAAGTCTT TTTCCTCACT GGATAAATT
 18661 TTATCCTCA AGTTTAGATC AAATGGAAC TTAGGACACT GACTAGGTTA CATTCTCATCTT
 18721 TTAAGAGCGT ACAGACATTC AAGGGCTAGA GGATGTTGGGT TTACTGCACA GGCTCATTAT
 18781 CCAACAGCTG TGCTACCTGG GAAACTTAAC CTCTCTGTGC CTTAATTCC TCATCTATAA
 18841 CGCAGGGAGA ATGACAGTAG GTATCTCATA AGGTTGTTGG AACAACTAAA TGCAATTGGTA
 18901 TCTATTGTGT AAAGTCTTA AAACACTGCC TGGCACAGAG CAAACATCCA GTGAACCTTA
 18961 GCCATCATCA TTATCATTGT TCTCAGAGTC AAATACAATA TCTCATATCT GATAAATTAC
 19021 AGAAAGTGAAT CAATCACTCT CTCTCTTTC TCCAGGGGGAA GACAACAGCT TTTAGACATA
 19081 TCTTTTCCAA CAGTCGTCA TGCTGGACAC TGTTTCATCT TGCAAATAAA CCAATGAAAA
 19141 TGAGTGATCC TAGAAGAAGA TAAATGGAGG TATTTGAAC AATCAAAGAA GGACAAATGAA
 19201 ACACCTGGCT GAGAAAAATT AGCTTTTTT TCTATGCATA AACTATTAA AATATTCTTC
 19261 ATAGAAATTG ATGACACAGG AACATATAAG AACAAATTAA AATAACTCCT AGTATCTCCT

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19321 ATTCTTTTA TATGTATATT ATATATACTC ATATTCATAT ATACATATAT CTCACATCAT
 19381 GTATCATATA TAAAATAAAT TTAGGTGTCA TGATATATAT TTAGATAAAAT ATACTTAGAA
 19441 ACTTTTAT GGATGTATAA TTTATGGATA TATTGATAAT TATGTATTTG TTATTGACTA
 19501 CTTCAATTGA TTCCCATTTT TATGCATTAT ATTATAGATT ATATAGCTCA CACATCTTG
 19561 TACATAAACAT TTTGTTCAA TATTATTCC TAAGGATAGA CTTCATGAAG TGGAAATACT
 19621 AAATCAAAAG TGAAAAACAT TTTCTAAGGT TCTTAACATA TACATTGCCA AATTGCTATT
 19681 CAGGATCATA CCAATTATA ATCCCCAAAT AATATGAAAA TTCCTGTTT ATAGCACTCA
 19741 TATTTACAAT AAATTTAAA AATCACTGTT AACCTAATAG TCCTTCAAAA GAAAAAAA
 19801 TTGAAATTAC ATTATTTAA TGACTCTATT AGTGAGGGTC ATTCTTCCC TGTTCTTGT
 19861 TAGCCATGAC CCTATAAGAA ATAAACTGCA CTGCAAATG ATAAACATGA TATCAATCAT
 19921 TACATGGAA GGCACTATAT AAAGAATAAT ACCTTAGGTT AAGGCCACAT AAATATTTAT
 19981 CAGGTGCCTT TTCTGCGGAG GACTCTGAAG GGATACTAAA CTGCATTTAG CTGCATGCAA
 20041 CTGAAATTAC TTTACCTAC ATTGTCTCTT ATAAACATTA TAACTACTCT TTGAGAAAGT
 20101 GTTTACTATG GACTGAATTG TCTCCCCATC CCCCCAAATT CATATATTGA AGCCATAAAC
 20161 CCCAATATGA CTCTATTCT AGACAGGACT TATAAGAGGT AATTAAGGTT AAATGAGGTC
 20221 ATTAGGATGG GTTCTTAAC GGATAGGATT GGTGGCCTTA TAAGAAGAGG AAGATTCTGC
 20281 ACTTGGCTT CCAAATTAAA TAATTATTAA AAAAGAAAAA AAAAAAAAGA GGAAGAGAGG
 20341 GAGCTCTGCA CATATACTGA GGAAAGGCTA TGTGAGCTCT CACAGTGAGA AGGTAGCACT
 20401 CTACAAGCCA GCAAGAGAGC CCTCACCAGA ATCCAGCCAT GCTATACCC GCTCTGAGAC
 20461 TTCCAGCTC CAGAACTGTG ATAAAATTAA GTTGTAAAC CCACACAATC TATGGTATT
 20521 TTTTATGGCA GCCCAAGCCA ACAAAAGACAG CATCATTGCT GTCACATTACA GACAAGAAAA
 20581 CTAAGACTAG GAGAGAGAAA AGTTAAACTT GTCCAAGGTC ACAAAAGCCA GAAACAAGTG
 20641 AGGTGAGAAG TTGACCTTGT TCTCCTCAAT CCAAGGCCAG GACTCCTCCA CTCCACATGT
 20701 AGATAGCCAC CTCACAGTC ACAGCCAAAT GTCCACACCC CAGAGTCAGC ATTAGACCA
 20761 GATGTCTTAC CAGGAGACAA ATGCCTCATC TTGAATAAT ATGTTCTAAC AACTTACCC
 20821 TGTAAAACAT TGAATCTCAT GAGAAACAAA AATGCAAAGT ATGTAGAAAA CTATGTTAC
 20881 CACTTAAC TG ACAGTGATAA AAAGCTTAAT GATATCCTTA TAGTCTTGGA GGGGTTTGT
 20941 TATGTGGTGA AACAGGTGCT CACGCACTGC TGATAGACTG TAAATTGGTC CTAGAGAGAA
 21001 AAATAAATAA ACTGGAAGGA GTTATGCTGT ATGTTACTT TTTTTATGGA AACATATGAT
 21061 ATACCTGAA ATTGAGATTGG CCATGCATCT ATTTCTCAA TGGGTATGCA CAGTTGAGCT
 21121 GTTCCCATGC ACCAGGCACT GTAATGGGAC AACTGCACAT GACAGTCAAA AATCTCAGTC
 21181 TCATGAAGTC GACATGCTCA TGGAGAGGTG CTACCCACTA AACTAATATT TGTATATCAA
 21241 TTATGGATAC ATTGGGCCAC ATTTACAGAA ATTCACTTAC AGTGGGTTAC CAGAAGGGAT
 21301 TTTTTCTT GATTGGCAAG AAGGCTAGGC TGTGTTGTT GGGGCTGGCA GGAGCTGTCT
 21361 AGGCTGCCA AGTATGCAGG TCTCTTCTAT CATCCTGTGT TAACCACATT CCATGTATCT
 21421 TTCAACCTCA TGGTCATCTG CAGCATGTCT AGGGTCATA TCTATGTTCC ATGCAGGAAA
 21481 AAAGGGTAAA GGGAAAGGGA AGTAGGCATG TACCATTAA ATGCACACCT TGGTTTCAG
 21541 AAAATTAAAG AAGAAAGACT TTCTGCTTT CTCTGACTAT TCTGTATTCT GGATTACAAC
 21601 GCAACAGAAA CGTCACCTTA AATTCTAATG TTTTCTCTC CTTGCTTCA AAAACTGACT
 21661 CATTAACTC CACGGGCTT GGAAAAATTA TTTCAGTCAT CCAGTAATGA GCTGTTCAT
 21721 GAAATGTTT GGACATCAAG TCTGTGTTGT TAGCATTATA CATGTTAAGC ATTGAATAAA
 21781 AAACAACATG ATGTGGGTAC ATTTCTTAC TTACATATAA GTACTTATAT ACTTATAGCT
 21841 GAAAAGAGAG GTTGAATGT CAGGTGGAAC AGAAATAAGA TTACCTAGAT GTTCTCCTA
 21901 TGGGTGATT TCAGCTATGC TGATCTTCT TCTGGGTCAG GTACTCCAG AACTTCCTAA
 21961 TTAAATGGT GCCCTGATCT TAGTTCTCT CTCCTCTTAG ACATTTCCTA GGACTACAGA
 22021 AGATGTGCAG TTTATAAATG AGTAGCAGAA ACCTACTGAA CAAATTATTC AGGCTCATCT
 22081 GAACAGAGAG GACACCTCT CTGCTATACT CTCTCAGTGA TTTCCCTGCC TTGGGGTCAA
 22141 TTATTGCTT GGACATTGAT TTAAGCACAT AATAATTGTT GTCATTGCTT ATGTTGGAT
 22201 TTCATCTCCC AAAATAGATG GTAAATTCTT TAGTTTAGAG ACCAAGTAAT ACTTACAAAA
 22261 AAATTTGTG TGTGTGTGT TGTTTTCT GTGTCTCTCA GCCCTGTAAT AGCATCGTAC
 22321 TTACACTTGT TAGATTTTA GAGACAACCTT TTACAAAACA TGGAATTATC TACATACCC
 22381 TTCTACAAAA CAGACAAATT AAATACTCAG TAGTTGAACC AAAAAAAAGCA GTTCAAATAA
 22441 AATACTTGAA AATGAAGAAA TCATTTGAAC AGAGTTAAAG TTAATCGTAA AATAATGTCT
 22501 GTAAAAATTAA TTGCCAATCA AATATAAAGT TCAAAATAG TGCTGAAAA AGGAAGAATC

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22561 ATATGAAAAG GGACTACTCA TTTTAAAAAT GTTAGATATC AGGAAAAGCC AAGAAGTGAG
 22621 TATGGTAAGA GTGCTGTCAA GTGAAACCCCT GCTAATCTCA CTGAACATGT AAAAATCTGT
 22681 AGATGCCCTT ATTTCATTCA CTCACACACA TATGTAGAAA GAGAAATATA TGTTAACAT
 22741 TAAAAAAAAC AAATTAGAAT GTAAAATTAA TACTTTAAAA AATGGGCTGT ATACTTTCT
 22801 TATCACCGGA GATAAGAATT TATTATTTT AAAATAAGT TATTTCTCT GTGACTGTTT
 22861 CCATGACTTT GCTACTTAGA AGTTAGAGAT GCCAAAGT TT ATCTAAGAAA ATGTTTATGG
 22921 AAATATTATT TCAATAATGA ATGTTAGAA GACTGAATT CCTGACTGGG CACAGTGGCT
 22981 CATGCCTGTA ATCCCAGCAC TTTGAGAGGC TGAAGAAGGA GGATCGCTG AGTCCGGGAG
 23041 TTCAAGAGCA TCCTGGGCAA CACAGCGAGA CCCTGCAGCA AAGTAAAAG AAAAAGAAT
 23101 TGAAAAAGGA AGACTGAATT TCCTTGGC AAGTCATGTG ACATTCTGT GCCTCAGTTT
 23161 CTTCATCTAT AAAGTTAATT CCTACATTT TGGGAAGGG AGAGAAAAC TTAGGATAGT
 23221 GACTGGCACA GAAGAAGCAC TATATACTAT ATATATGTGG ATATCATTG TTTTATGGT
 23281 ACCATTTAG CTATCTAATG CAAAATATGA ATCTTTTTT TCTGGGTCTT AAATTATGGA
 23341 ATGTAAGAAT TTTCTAAATT CTCTAATTCT GTGTTAGTTT TAAAGCAATG GAGTAACGTA
 23401 TCTGTCAACT TGTAAATATA AGGATCAACC TGATCCACAA TTTGACCCCT AGCCACTAAT
 23461 ATTTAATAGT ACAACACTCA GAAATTATCA AAGTCAGAG AAGCCAAACA AATGTAAAAA
 23521 CATACTGGT CTCAGAAAGA TGCACCTGTA ATCTCTCTAA GGAGAAATAT TTCCAAACT
 23581 GAGTGACACG GTGCTTAGT GAGTTGTGGA ATCAATCTCA TGATTTCAA CCTAGTGTTC
 23641 TTTTAAAAAT GAACTAGTCC ACAGTAGAAT ATACTAAAGT GCTGGTCTT AAGATAGTAT
 23701 TGTTTCTGG AAAAAGAAAA AAAATTTTT TTTTTGAGA CAGGGTCTCG CTCTGCCCA
 23761 GGCTGAAGTG CAGTGGCACA ATCATGCTCA CTGCAGCCTT GACCTCCTGG GCCAAGTGA
 23821 TTCTCCCACC TCAGCCTTT GAGTAACTGG GACCACAGGT ACGTGCACC ACACCCGGGT
 23881 AATTCTTAA TTGTAGAGAC AGGGTCTTGC TATGTGCTTA GGCTGGCTT GTGAACCTCT
 23941 GGGCTCTAGT GATCCACTAG CCTCAGCCTC CCAAATTAT GGGATTATAG GCATGAGCCA
 24001 CCCTACCTGG CCTGTTCCCT GAATTTTTT TTCTTTCTCAGG TGTTGTGCA TATGTGTG
 24061 TGTATGGTA TAACAGAGAG ACAGAGAGAA AGAAAATTCTT CTATCACACT TTGCAATCAG
 24121 AAGTTTGAAG TCTTATCTT TGGCTTTGT TTCAGAAATA TTTCAAATGT AGACTCTCTC
 24181 CTTTACCCACA CTGCCCCCTT AGGCAAGGTC TTTGCCATTG TTCTGAGACT ATTGCAACAG
 24241 ACTCCCAACT TCTGACTGTG GGCCCTCTC AAAATGATT GTTTATGCAA TAAATCTAAA
 24301 CCCAAGACAA CTACAACAAT ACAACAAATT CTCTGCTTAA AAACCTTCAA TGCTGCCGG
 24361 GCGCGGCCGC TCACGCATGT ATTCCCAGCA CTTTGGAGGC AGAGGCCGGC AGATCACTTG
 24421 AGGTGGGGAG TTCGAGACTA GCCTGGCCAA CATGATGAAA CCCCACCTCT ACTAAAAATA
 24481 CAAAAAATTA GCCAGGCATG GTGGTGGCG CCTATAATCC CAGCTAATTG GGAGGCTGAG
 24541 GCAGGAGAAT TGCTGAACC TGGGAGGTGG AGGTTGCACT GAGCCAAGAT CACACCATTG
 24601 CACTCCAGCC TGGCAACAA GAGCAAACACT CTGTCTCAA CCAAACCAA ACAAAACCTC
 24661 TAATATCTAC CAAATGTTT ACACAAGTAT TTGGGGATCT TCACAAATGG CCCTTATGGA
 24721 GTTTTCCTT GCTGAGACCC TATGCTCTGG CCACACTAAA CTCATTCTAGC ATCCAGAAA
 24781 GGCCTCAGCC TTTGTGAGCA AGCTCTTATC TCCAGGCCTC TCACAAAGAC CTGTTCCAGT
 24841 AGAAGCTCAG GGGAGCACAC TGGACATTAT TCCAAACAACC CTTTCCCCAC AGCTATGAG
 24901 CCAAATCTGC CAGCTCAGTT AATTAAATTAA GCAATTCTAGA GATGAGGGTC TGCCCAGGCT
 24961 GGAGTGCAGT AGCTGCACC TCAAGCTCTT GGGCTCTAAG TGATCCTCTT CAGTCTACCC
 25021 AGAAGCTGGG ACTGCAGGCA TGTGCCACCA CACCCAGCTA ATTTTTTTTT TTTTCAGTAG
 25081 GGACCAGGCC AACCTAGTCT TGAACCTCTG GCCTCCAGCC TTCCGAAGTG CTGTAATTAC
 25141 AGGCATGAAT CACTGCGCC AGCCAACCCG CCCAGCTTTG TTAGACATGG GGTCTGTAGT
 25201 TTCTAGTAGG TTCTTGAGTC TAGGGTCTCT ACCTCATGTT TTATAGTTAA TTTAGGGGAG
 25261 GGACTGTGTC TGTCTATCTG GGGATGTAGG GGTGGCAGG GGGATAGAGG GGACTTCAAT
 25321 TAATGAAACC AGAAGAAAA CTCAGTTGAG GACACCGGTC ATGAGAGTGG CCTGATTATG
 25381 GCCAATCTTA CATAATGTGT GAGATCTGA TATTACCCCA TCCTTGAGAG TCCTCTATAA
 25441 AGCTACAGGG ACTTGGGAGC ACCTTTAATT ACAGACAAACC CATGTTCTG TGGATTATGA
 25501 TTTTATTAGAT TGACACATGCC TAAATAAGA CATCCTCTGC AGTCTTTGA CAATTCTATA
 25561 AGCATCTCT GACTCCGCAA TTAGACAGCT AAGAGATCTG TGTTACTTCC CTCACATATA
 25621 TAAATAATT TAAATAAAAAA TCATGGCGTG AATAATTCTT TTCCTCTACC GATTGAAGC
 25681 TATCCATTG GAAGACCACT CTGAAGAGAT GAAATAAGTC TTCTGCCAAA GATTACTTAT
 25741 TAATTTACAA GGAAAAGGGG AAGTTTGTT CCTCTCCGTG AATTGATTG AAAATCGAGG

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25801 GCTTTCTCGA ATAGTTTGG CATCCAGGGT CATTTCAT TAAAAAGAGA AAAGTCATGT
 25861 CAAATATGAA TTTCCGCAGA TTATTCAAGCA CTAGACCCCTG GGAGAGTTCTG TAAAGAGGGG
 25921 TTTTGTATA CTCAACTTT CCGGGTAAAA CAAACACAAA TACTCCTCCT CCAAGGGGCC
 25981 GGGGCGGTGC CTAGGTGATG CACCAATCAC AGCGCGCCCT ACCCTATATA AGGCCCGAG
 26041 GCCGCCGGG TGTTCATGC TTTTCGCTGG TTATTACATC TTGCGTTCT CTGTTGTTAT
 26101 GTCTGAAACC GTGCCTGCAG CTTCTGCCAG TGCTGGTCTA GCCGCTATGG AGAAACTTCC
 26161 AACCAAGAAG CGAGGGAGGA AGCCGGCTGG CTTGATAAGT GCAAGTCGCA AAGTGCCGAA
 26221 CCTCTCTGTG TCCAAGTTGA TCACCGAGGC CTTTCAGTG TCACAGGAAC GAGTAGGTAT
 26281 GTCTTGTT GCGCTCAAGA AGGCATTGGC CGCTGCTGGC TACGACGTAG AGAAGAATAA
 26341 CAGCCGCATC AAACGTCCC TCAAGAGCTT AGTGAACAAG GGAATCTGG TGCAAACCAAG
 26401 GGGTACTGGT GCTTCCGGTT CTTTAAGCT TAGTAAGAAG GTGATTCTA AATCTACCAG
 26461 AAGCAAGGCT AAAAAGTCAG TTTCTGCCAA GACCAAGAAG CTGGTTTAT CCAGGGACTC
 26521 CAAGTCACCA AAGACTGCTA AAACCAATAA GAGAGCCAAG AAGCCGAGAG CGACAACCTCC
 26581 TAAAATGTT AGGAGCGGG AAAAGGCTAA AGGAGCCAAG GGTAAGCAA AGCAGAAGAG
 26641 CCCAGTGAAG GCAAGGGCTT CGAAGTCAAA ATTGACCCAA CATCATGAAG TTAATGTTAG
 26701 AAAGGCCACA TCTAAGAAGT AAAGAGCTT CCGGGAGGCC AATTGGAAA GAACCCAAAG
 26761 GCTCTTTAA GAGCCACCCA CATTATTAA AGATGGCGTA ACACTGGAAA CAAGTTCTG
 26821 TGACAGTTAT CTATAGGTT AAGTTGTGAT GCAGCTGAGT TGAAAAGGCT TGAGATTGGA
 26881 GAATTAATTC AGGCCAGGCT TCAAGACCAT CCTGGCAAC ATAGCCAGAC TACCATCTAT
 26941 ACCAGGGGTC CTCATTCCCC CGGCCACCGA CGCGTAACCG GTCCCTGTCC ATGGCACGTT
 27001 ATGAATTGAG CGCAGCAGCT GAGGGGTGAG CGAACATTAA CCAACTGAGC TCCACCGCCT
 27061 GTCAGGTTAG CTGCAGCATT AGATAGATT TCATAAGCTC AAACGTATT GTGAATGGCA
 27121 CATGCAAGGG ATCTAGGTT CAGGCTCCTT GTGACAATCT AATGCCTGAT GATCTGAGGT
 27181 TGGAGCAGTT TTAGTCCGGA AATCATTGCT CCCAGCCCT GCACCCCTG GTCCGTGGTA
 27241 TAATTGTCCT ACACAAAACG GTCTCTGTG TCAAAAGGT TGGAGACTAC TGTTTTACA
 27301 AAAAAGTAA TTAGTCAGC ATGGTTGGCA CGCTCCCTA GTCCCTGCAC CCAGGCAGTT
 27361 AAGGATACAG TGAGCTATGA TGGTGCTACC TCACCTCAGC CTGGGTGACA GCGAGTCAGA
 27421 CGTTGTCTCA AAACCTAAAA AAAAAAAAG TTAAAACAGA AAAAGGGCTT CTGTCAGAG
 27481 ACTGCCGTAT ATCTAGAGGT CCAGGAACCA AAAAGTCTGA TGTCCAATCC TGAAAAGCTC
 27541 GATGGTGCAC TAGAGGAGGC TTTTACATGT AAGAGCATCT AAGTTCTGGA AATGCCAGTG
 27601 TCAGGGAAAG GAAGTGGAGA GCAATTGGC ATCCAAACAT AACTTGTGA TACTTTTTT
 27661 TTTTTAAACA CAAGTACTAC ATTCTAGTCT TTCTGTGGTG TCATTGTAAC TATTGTTCT
 27721 TAATATGCTA TCCACTGACT TCAAGGGATC AATAAATAGG AATCAAGGTG TCCCAGAATA
 27781 TGGATTAGGG GAGTTTTTT TTTGTTGTTG TTGTTGTTGT TTTCATCTAT TCATTATCCT
 27841 GTAGCTGAA TTTAGAATT TCTTCCATTG TGTGTGACTG ATAGAAATAA CAAATTGTA
 27901 GGTTATAGTT GTTGCAGAA TCTGGAAATC GTGCTTGCTT ATTTCCGAAG TACTATTAGG
 27961 TATATCAACA AAAACACACA TATTACGGTC AAGTGGTTG ATAATTATTT TAATATTATT
 28021 GGTCTAATAC AATTGTAACC CTATGAATTA CTTTAAGTAT CTTATTATG AAAAGAATCT
 28081 GTAAGTTCA TCAAACCTACC AGAGCATACC GAAGACTGAA AAATTTAAG AATCCAAACCC
 28141 TTAATGGAAA TGTTGGAGGC TGCCCAATTG GGTCTGAAT TCCACCTTCC TGAATCACAA
 28201 ACTTGTTTA ACTCTCAGTC TGAGGTAAAC TACGTTTCTC TTTAACAGA CATAGTTAA
 28261 TTTTCCTTTG ATTTTGATT TAGTATTCTT ACTGATCATC ATAAATAACC AATGCTAATG
 28321 TTAGTCTACT TTGGACCATG GTATTTGAG AAACTTGAA CAAAGTCCCC TGCAAAACTA
 28381 TGCATTGCAT TATTTCACAT ACATTATGT TTTCCAGACG GTTCAATAGT ACCTCACTTT
 28441 TCTGAACTTA TTTGTATAGT TTGGCATTCTT TTTAAAAATT GTGTCCTATA ATGAAAGGTT
 28501 GTAAACATTA TGTTTAAAT TTGTATAGAT AAAATCAACC ACAGACCTT CCTTGCTTGG
 28561 ATGTAATTGC CATTGTTCC CAATGAGTTC GGAATTACTA GGATTGTGCA AAAATATGCC
 28621 TCACTTGCT GACATAGCAG AGGCCATTG TGCTAAATG CTGTGCCAG CAATGGACTG
 28681 TCACCAGATT CTCATCACAT ACAGTGAGGA TGAACAACTA GCCTCTCCC GCAGCTGGCC
 28741 GGTCTCTCAA TAATATGGGA CTCCCTCAAG ATGGCTTCCCT GCACCTTGC TCCTCTAGCC
 28801 TTGTATGTAT ACAAGGCTAG CATGCCTGGC ATACATAAGG TTAAAAACAA AATCAATAAG
 28861 TTATGGTTCT TCCTCCAGTT CTGGGGATTA TTAGACCACT TTTTTGTTTT GTTTGTTTT
 28921 GGATGGAGCC TCGCTCTGTC ACCCAGGCTA GAGTGCAGTG GCACAATCTC GGTTCACTG
 28981 AACCTCTGCC TCCTGGGTTC AAGCAGTTCT CTGGCTCAGC CTCCACGTA GCTGGATTAA

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29041 CAGGTGCCCG CCACCACGCC CAGCTAATTT TTGTATTTTT AGTAGACGGG GTTTCACCAT
 29101 CTTGGCCAGG CTGGTCTTGA ACGCCAGACC TCGTGATCCA CCCACCTTGG CCTACCAAAC
 29161 TGCTGGGAAT ACAGGCAGTGA GCCACCGCAG CCGGACTTAG ACCACTTTGT TTGGCCAAT
 29221 AGGACAACAG CCATAGAACCC CTCCGCAAAT GAGAGCTTGT CCCTAAAGAT GCTTTATTTA
 29281 CATAGCTGTG TGCGCATGA GCCAAAAGGT GATAACCTTGT GTCAACACG CGCCTCCAGC
 29341 CCTTCGGTTA AGTCCAAAGT ACCATTCTTA GAATGCTCTA AAATACATAA TTTTTTTTTT
 29401 TTTTTTTTTT TTTTGAGGA GTCTCTCTCT GTCTCCCAGG CTGGAGGGGA GTGGCGCGAT
 29461 CTCGGCTCAC TGCAATCTCT GCTTCCGGC TAGCTGGGCC TACAGGTGCA GACCACCACG
 29521 CCCGGCTAAG TTTGTATTT TTTTGTTAG AGGGGTTTC ACCATTGG CCAGGCTGGT
 29581 CTCGGATTCT TGATCTCAAG TGATACACTA GCTTGGCCT CCCAAAGTGC TGGGATTACA
 29641 GTCGTGAGCC ACTGCGCCCA GCAAAATGCT TTTTGTGGAG CCAATCACTT TATTAGCGCT
 29701 TACCTCTCTA TGCCACTTT ATGCTTGAA ATTTGTAC AGTGGGGCCG GTCATGGCAA
 29761 ACACAATTCA TTCTTATGCA GGCTGTACAG GTTATTTCTG TCATCCAAAC TCATTCTCGC
 29821 AACGCATTTC AGCTCTTAA ACGACTTTGT GAGCGGCCCT GAAAAGGGCC TTTGGGTTTT
 29881 TTTGTTTTTG TTTTTGAAAG TTCTCAGGAG ACCCGGTATT CTTAGATTCA GCCGCCGAAG
 29941 CCATACAGAG TGCGCCCCCTG ACGTTTCAGG GCATATACTA CATCCATGGC TGTGACAGTT
 30001 TTGCGCTTGG CGTGCTCCCGT ATAGGTGACG GCGTCTCGAA TAACGTTCTC TAAGAAAACC
 30061 TTAAGCACAC CTCGAGTCTC CTCATAGATA AGACCGGAA TGCGCTTGAC GCCACCGCAG
 30121 CGAGCCAAAC GGCGGATAGC CGGTTTGTA ATGCCCTGGA TGTATCCCG GAGCACCTTA
 30181 CGATGGCGCT TAGCACCACC CTTCCCCAAG CCTTTCCGC CTTGCGCG ACCAGACATG
 30241 ATTCCATCG CAGTGGAAAGG TATGAACTGA AACAGTTCTC TAAATACAAA CTTGGCGGAC
 30301 CTGATTGAAA ACAACATGAG TTGGCGCGGT TTTTTTTTTT TTTCAAATTG GTTCACCGAG
 30361 TGGGTGGAGC AAGAAAAACT GTTTCATTAT GTTTCATTGT TTTGATTGGC CAGTGACAGC
 30421 TTGCTCTTG TGGGAGTGGA AGGGTGTGG CAAGTTGAAT GCGCTGTATT CCTGTCAGCT
 30481 TAATGACGCT AACCATAGCC CCATTCCACA TTCTTTTTA TTTCACCTTG CTAACATAATA
 30541 AATTACGGAA TAGTTTATTG GGGAACATAC AAATAATGTT TAAAGGAGGT CAGATTTATA
 30601 GGTCAAGGGAA TTACCCCTCC CAATCATTTT AATATTTTTA TTAAACCCAG GCATTTTGAT
 30661 GGCCCTCTCT GTGCTGGACA AGGTATAAGT TTGGCTATGA AGTTTCACTC CTAAGAACCC
 30721 TATGTTTGGA AGGGCAAA AGGTAGCCAA ATAATTGCAA ATTAAAACCT CATAAGTGCA
 30781 AACTTCTTCC TCGTCACTTT CCCTATCTCG ATTCAAATAT TTGTTGAATG ACTCATTTTT
 30841 CTGAAAAGT CTGAGAGAGA CAGGGAATAT AAACCTTAAGT CTGGATAATA TGTGTTCCCG
 30901 GGACGCTCTT CCTGGTCTGC TGTGCCGTG TGCTGTGCCT GAAATTCCAA ACACCTTTCC
 30961 CCTCCCTCG TTTTAATCC CCTTCAACT TGCTACAGCT TTAGAGAAAA GAACATACGT
 31021 TTTGTACAGT TGGGGATTAA TTGAAGTGTG GGGCTAATAC TTGATTAAGG TCATTACAAA
 31081 ATCTACAGGG TCTTCCTCTG GGAGGTTTT GTGATAAGAT TATTGGTGT AAAATAAGGC
 31141 TAATCCCCTT GAAAATAAA TAGAATAGCA GAATTGGTC TGAATGTGGT TTGAAGAAAG
 31201 GGACTCTCA ATTCAAAT TTATTCTTAG CTCCTGTGG GAGCTTCCA GAATGCCCAT
 31261 AAGATCCACT TTGTTTAA AAACAAAAAC AACCCCCACCC ACCACTCTCT GTTTAATAAA
 31321 TGAATTCTA TTGGAATAT TTAGAATGGG GCTGTGGCCT GTGAGAGACA TTATATAGTA
 31381 ACCTCAGACT TGCTCACATG AAGAGAAGAA ATCCAGGAAT GGAGAAAAAA GACCCAGGAA
 31441 AGGCCAGAAT GCTCTACATG TCATATTGTT TGTATCACTT CTGAAATAAT TGATTACATT
 31501 CTTCTGCCCG AAATTGAGTT CTTAGGTTCT TCCACTCACT GTCCACATGC CACAACACAG
 31561 ACCTTATAAC TAGAGACTTA GCTAGGAAGA AATGTCAAC ATTACAGAGA AAAAATGCAG
 31621 AGTCTGAGAT CATAAGTAA ACTCTGAAAT CTCACATGC CTTTTAATTC ATGAAAATAA
 31681 AAAATATAGC AGCATATGCA ATATGATAAT TCTCTGAAA CATAACATCAT GTGAACACTACC
 31741 CTGGAACACA TCTCGCCAAG TGCCATCTTC ATTTTAACCA GAGGCTTAGG ATGCCTTTCC
 31801 TTTATTTGC CTATTATATC ATTTATAAAA CCCCATTTT ATTGATGAT TTTATTTACT
 31861 TTCTATTCTC TGCTCCTTAAT ATCTCCTTTC TAAACTTTTC TCAATGACAG TGACTAAAA
 31921 ACAATGAATG TCAGAACAAA TATTTAAAGG ATCTGTACAT GTAGATATAT ATATTTAAAAA
 31981 TGGATCTTC CACTCTGGGA AGAATTCAGG CATACTCAAT CTTATGGTTA GGGAGAGATT
 32041 AGGCTCACTC GCCTAATCTG TATGGCTTCT CGTTCGCTT CCATTTCACC TTCCTCTCAC
 32101 CCATCAGATC AACTCATTC ATTGAACAAG AGACCTAACG CCTTCAGATT AAAACTCTGC
 32161 AAACAAGTTG TGGGTGAGAG GATACATGAA GCATTCAAAC AAATAATCT ATGATATTAA
 32221 TCAGAGGTTA ATCTATGATA TTAATCAGAG GTTAATGCAG TGGCTCACGG CTGTAATCCC

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32281 AGCACTTCAG GAGGCTGAGT TGGGAGAATC GCTTGAGCTC AGGAGTTCAA GACCATTTG
 32341 GGCAACATAG CAAGTCTTCA TCTCTACTTA AAAAAAAATA ACCAGAGGTG TTATGAAAAT
 32401 ATAAATTGTC CAGAACTACC CTCCACAAAC TAACTCTCTC AGAATATTG ATATGAGGAA
 32461 TGAAATATGG TGTGTGTGTG TGTGTGTGTG TATGTGTGTG TGTGTGTGTG TGTATGCACC
 32521 TATATATGGC ACCTATATAT TCAACAAACA ATTCTGATAA TTGGCCAGGG TTGAGAATGA
 32581 CTAGCAGCCC AGCATACTACT ATCAGTTTA AGTATATAAT TGCGCTTAG TAAAATGTA
 32641 AGAAATCCC GAGTAGAAAT ACTTTAACG TATATTACAG GTGAGAAAAT GCATAAGTAT
 32701 AGTCTCACCC AACTTAGACT ATGGGGCCTT TATAATGTCA CAACAGTTGT TTCCAGGCAT
 32761 TTGGGGACAT CACCACTGGT CTTGGGCAAG AAACCTCCT AGCCAATGGC TGATTTATCT
 32821 CACTCCCATC TAAGGCTTCA CTGCATTCTC CTTTTCAGC AACCTAACTT ATTTAAAAAT
 32881 ATCCATTTC TGATTCAATT TTTCTGAAT TAAACTGTCA GTACCATTGG CACACCTTTG
 32941 GTTCCGTAGC ATACCTGTGT CTCTGCTGTG GTTTTTTTA CCTCCACTCC TTACTTTCT
 33001 AGAAAAAAAT CTCTGCTTTT TCTTTTCAGT TAAATTATT TCACAAAAG TTTTCTTGAC
 33061 TTGCACTTCC TAGGCTTGCT GTCCTTGTG GGGCAGCCTC CCATAAACAC TATTAATACA
 33121 CTTCGATTTG TAAAAAATAA AGATATCTGG ACAGAAAATT TCTTTCTTT TTTTAAGATT
 33181 TAAAAATTTC TAATGTTTAT TTTTTCTCA GACTGGAGTA CAGTGGCACC ATGATGGCTC
 33241 ATGGTAGCCT ACACCTCCCC GGGCTCAAGT GATCCTCCC CCTCAGCCTC CCAAGTAGCT
 33301 GGGACTACAG GTGTGCACAA CCACACCTGA CTAATTGTG TTATTGTTT GTTTGTTT
 33361 TTGAGATGGA GTTTCGCTCT TGTGCCCCAG GCTGGAGTGC AATGGGGGA TCTCGGCTCA
 33421 CCGCAACCTC TACCTCCCAG GTTCAAGCAA TTCTCCTGCC TCAGCCTCCC GAGTAGCTGG
 33481 GATTACAGGC ATGCATCACC ACGCCCAGCT AATTTGTAT TTTTAGTAGA GACGGGGTTT
 33541 CTCCATGTTG AGGCTGGTCT GGAACCTCTG ACCTCAGGTG ATCTGCCCGC CTCGGCCTCC
 33601 CAAAGTGTG GGATTACAGG CGTGAGCCAC CACGCTCGGC CACTAATTG GTATATTTC
 33661 TAGAGATGGG CTTTCCCTGT GTTGTCCAGG CTGGTCTTGA ATTCTGGGC TTAAGTGTAC
 33721 TGCCCACCTT GTCCCTCCAA AATGCTAGGA TTACTGGCTG GAGCCACCAG GTCTGGCTGG
 33781 AAAGATAATT TCTAACATTA CCCTCTCTTA AACATTGTT TCAAAATTT TACAAACATG
 33841 AGAGTAATT AATTGATT TCAAAATTCC CTGAATACT TTCTTAATAG CACACAGAAA
 33901 GCACAAAGTA TTTTACATTG GTTTTAATGA TGAATTGTT AACCCAAACT TACACAAAGA
 33961 AAAACCGTAA CATTATAACCC ATACTTTAA CAGATGCCCT CATATACATA GTAAAACCTC
 34021 TGGGGCAGT AGTGAAGTTG GTTATTACT GTTTATGAA AGTGCCATTG AGCCGGGTGC
 34081 AGTGGCTCAT GACTGTAATC CCAGCACTT GGGAGGTGCA GGCAGGCTGA TCACGAGGTG
 34141 AGGAGTTCAA GACCAGCCTG ACCAAAATGA TGAAACCCCTG TCTCTACTAA AAATACAAAC
 34201 ATTAGCTGGG CGTGGTGGTG TGTGCCTGTA GTCCCCAGCTA CTCAGGAGGC TGGGGCAGGA
 34261 GAATCGCTTG AACCTGGGAG GCGGAGATTG CAGTGAGCCG AGATCGCACC ACCGCACTCC
 34321 AGCCTGGGAG ACAGGGCGAG CTCCGTCTCG AAAAAAAAACAAAAAGT GCCGTCTAG
 34381 TGACTTAGTT TTAAGGAATA AATCAAGGAT ATTTAATCA ATAGACTACA GTTAGCTAAC
 34441 GTGACTTGCA CTGAAAGTTA TACGAATATT GGTACTTATT CCCCTGCCCT TGAAGTATGA
 34501 ATTAAAGACT CCAAAATTCT TTTAGAATC TTCAGAGTAA AAGCTAGAAT TTGATTTTT
 34561 TAAATAATAA AAAAATACTT TGTATCTAA TCTGGTGTAT AAAATAACTT GGTGGATGAT
 34621 GCTTCAAGGC TATCCATCCC CAAATTCTC CCTGAATGAT AAAGAGAATA AATGAATATG
 34681 TCAATTCAA AGTTAGAAAT TTGGCCGGGC ACGGTGGCTC ACTCCTGATA ATCCTTTCGG
 34741 ACGCTGAGGT GGGTGGATCG CATGAGCTCC GGAGTTCAAG ACCAACCTGG GCAACATAGC
 34801 CAGAACCCGT TTCAATAAAAT AATAGAAAAA AATGAGCCAG GCGTGGTGGT CCCAGCTACT
 34861 CAGTAGGCTG AGGTGGGAGG ATCACTTGAG CTCAGGAGGT CGAGACTGCA GTGAGCCGTG
 34921 ATCGCAGTAC TGACACACCAG CCTTGGTGTG AGACTGAGAC CCTGTCTCAA CAACAACAAA
 34981 ACAAGTTAGA AATTGGCTG GGCGCGGTAG CTCACGCCCT TAATCCCAGC ACTTTGGGAG
 35041 GCCAAAAAGG GCGGATCATT TGAGGTCAAG AGTCGAGAC CAGCCTGGCC AACATGGTGA
 35101 AACTCCATCT CTACTAAAAA TACAAAAAACTT CTAGCCGTG CATGGTGGCA TGCCCTGTA
 35161 GTCTCAGCCA CTGGGAGGC TGAGGCAGGA AAATTGCTTG AACCCAGGAG GCAGAGGTTG
 35221 CAGTGAGCCG AGATCATGCC ACTGCATTCC AGCCTGGGTG ATAGACTGAG ACTCCATCTC
 35281 GAGAAAAAAA AAAAATTCT GTATGAACTG AACAAAATAT CCTTAAATT TAAAATACAT
 35341 CTGAAAGATA TTCAAAATAA TTTAGGAAAAA AAATTATAGG GATCAGGCAA ATTCTGAGAT
 35401 TCCTTTTCC CTGCAGCAA CATTAGGAGT GCTGCTTTC CTAAAACAT GGTAACTGTT
 35461 GCCACACCGT ATGTTTCCTT GGCTCAGACA TAAGGTTGTG TAGTTGTTAT TCCAGAATAG

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35521 CTAGAATAAA AATCCAGCAC ATCATTCT TCAGCAAGTT AACTAACCTC TCTGTGCCTT
 35581 GGTTTCATAA CAGAACATA AGCATACAG AATAGCAGCA ATAGCTCCTA CCTACCTCAT
 35641 AAGATTCTT GGAAGAATT AATTAAGATT CAGAACACAG CCTAATATCT AGTAAGTAAT
 35701 AATAATTGGC TAAAAAAATT TTCTTAAGAT TATATATATT CATGGGTAC AAGTACAATT
 35761 TTGCTACATT AATATATTGC ATTGTGGTGA AATCAGGGCC TTCAATCCAT CCCGGAAAAA
 35821 AAAAGTTTT GAAAAGATT CTGCCATGGA AAACCTTTAA TGTACAAATT CATCCATCCA
 35881 AGAAATAGAA AATATATAAG TATCAACTCC AAATCCACCA TATCTATCTC TTCTGCACCT
 35941 TAAACAATTA CTCAGAAATA GAATGCTTGA GATACCAGAA TGCGATGCATA TCAAGTAATA
 36001 AATGCATGCA GGATGTCAAC GCATCCTAGG CTTCAAATA AAATTGTCA ACAAAATACT
 36061 TTAATATTGT AGTAACATTC TACATGTTAG AGTGTAGAAG TTAATCGCTG ATGCAAAAAA
 36121 GGAAAAGAAC ACATTATACC CAAAGCCTAC AGAGAGAATC ACAATTACAA ATATCAGCCT
 36181 GCATGTGAAA ATCTTTAATT TGAAAGTCAG AAATATTAA ATGATAGTCA TTGTTAAATC
 36241 AGATTGTGGT TTGAAAAAAA GTTAGTTAA AACTGAGTT ATGAAAATT TGGGGATTTT
 36301 AGAGACAGTG TTTGTTTTT AAATGTGTG GAGTTTGTGA AGAATGTTT ATAAAATACT
 36361 GACAGTATTA TAAGATGACA TTATTATAAT ACAACATAAG AATTTGGCC TGTACCTCTC
 36421 AGCAGTCCTC AATCACCTGC TGACTTGAC TCAATGATTA TCAGAGTGGT TTGTTTCCT
 36481 TCTGTTGTGT TCCCAGTTCA GGCAGCTAG CAATGGCCTG TGATTCAGC AATTCAAATA
 36541 GCTGGTAAGT AGTTCTTGT TTGTTTCTC AAATTTCAAG GGGCTTTCT CTACAAGTGA
 36601 TTTCCAGTGC ACGCCCTCC ACCCATCTT TATTCTTTA CCTTCAGGAA AACCCCTCAGC
 36661 GCTGCATCTC TGGTCACCGG ACCACCGTGG TACATTAC TATGGCCACC AGGTGTCACC
 36721 CTTCTTTA CTACCAGGGT TTGTGAATGG TTTGCCAGA GGTGAATAAG AATTAAAAT
 36781 GCAGGTCTT GATTTTCAA ATGTAGTGA CCTTAAGAAT TTATGAATAA AGCCAGAAAA
 36841 ATTAAGCTT AAAAACACCG AAAGAAAATG AGGACTTAA ATTCTATTAA AAAAATTA
 36901 CAGGCCACAG TTGCTGATGT TTAGTAAATG TGTAGTGAA ATGTGTTACT GTGAAGACTG
 36961 GGGTGTCTC TGAAATCTCA GCCCAGGTGA AATAAAACCA ATATAAAACA AATGCTTACC
 37021 TAATAAATTA ATTGTAACAT ATTCCCTATG AGGTAGAAGA GTAAGTGAAG CCTTATAGCA
 37081 GTCTGTTTC AGTATAGTAA GATATTAAGA GAGAAATAAT TTGTCATATG CTTTCAGAAAT
 37141 GGTTGCTGG TAAAATAACC AATGTCTTAC AACTTAGACG ACAATGTCCC TAGAGTGAAG
 37201 AAACACGATT AATTCGGCTA CCACAGTTGA ATGAAAATAT TCCGTAAGAC AAAATGTAAA
 37261 GAAATTAGAA GCAAAATAAA TGTCTCCAAA ATGACAAAGC GATTAAGTAT ATACACAAGA
 37321 TGAACAAGAA CTTCAATAAA ATCATGCAGT ATACAATACA ATGTACATT ATTAAAGTAT
 37381 ATGCATTTT AATGCAACAA TAATACTAAC AGGTAATAGA CAAGTTGTTA ATAGTTTTTC
 37441 ACTGGCTAAT TAAATAACAG CTTTAATTGT ATTCAATTAA TAGCTTTCT ACAATGAGCG
 37501 TAAATCACAT TTACTTTTT CTACATAACT TTTCTAACCA CAAAAAAAGA AAATGGTTTA
 37561 AAAGAAGAGA TGAGATATCT TTGCTAAAAT TTAATGCCTA AAGAAGAAC TTCTGAGCTG
 37621 TATATGGTAT CCTGAAGCAC CTGCCCTCA AGACAGAATG CTTGTACAC ATTATGCAG
 37681 CCAAGTCAT GTAGTAACAT AAAGTAAACA CATGCCATCT GGATATATAT ATTAAGACTC
 37741 TTTTGACGGC TGGCAGGGT GGCTCACACC TGTAATCTCA GCACTTGGG AGGCCGAGGC
 37801 AGGCAGATCA CGAGGTCAAG AGAGTTCGAG ACCAGCCTGG CCAACATGGT GAAACCTGT
 37861 CTCTACTAAA AATACAAAAA TTAGCCCCGC ATGGTGGTGC ACGCCTGTAA TCCCAGCTAC
 37921 TTGGGAGGCT GAGACAGGAG AATCGCTTGA ACCTGGGAGG CAGAGGTTAC AGTGAGCCGA
 37981 GATCATGCCA TTGCACTCCA GCCTGGCAA TAGAGTCTCA AAAAAAAAAA AAAGACTCTT
 38041 TTGAACATGG TGAACTGATT TCCCAGAAC TAGCAATTCC TGAATGCTT GGTTAGATT
 38101 TTTTTTTAAT GTGCACCGGA ACCCCAGTGG CTCCATGGAA GGACCTGGC ATCCCTCTAAG
 38161 CCACTTGGTG GCTTCATTA TACCATCTCA AAATGAGAGA GCTTACTCCA CTTCATTGAG
 38221 GGAAATACCA CCAGAGTTCT GACTCCAGAG GCACTGGCCT AGGGAGGACA CCGTGTGTGA
 38281 AGCCCAGCAG GGCCACTAGC TGTCCCCACC AATTACAGTC CTTGCGTAGG GTCCAAAGAA
 38341 ATGAATGCCA AAGAGAGCAA CAGAGGAGCA AGGGAGTCAC ATTCCAGGAC CTTCCTTCAG
 38401 GGACTTTAA AGGAAACATG ACAGCTGAGG ATCAGTTGGT TGTTTCTGC TGTTCCCTT
 38461 CATGTGATTC AAGCTCATTC AGAAGAAACA CAATGAGACA AGAGAAGAGC CATCTCCTTC
 38521 CTTCTCTATT TATTCTAGGC ATCTAAACTA CTGAATGTTAG TGGTGTCTGA GATGTATCAA
 38581 ACGGTCAAGAT TGACTGAGTT TGAAACCTGT TTCTATCACT GACAAACTAT GAGATACTCT
 38641 ATACTTCACT TTCTTTTTT TTTCATTAA TTATTTTTAT TTTTATTTT TTGAGATGGA
 38701 GTCTCACTCT GTCACCTAGG CTGGAGTGCA GTGGCGCAA CTCGGCTCAC TGCAAGCTCT

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38761 GCCTCCTGGG TTCATGCCAT TCTCCTGCCT CAGCCTCCG AGTAGCTGGG ACTACAGGCG
 38821 TCTGCCACCA CGCCCAGCTA ATTTTTGTA TTTTTATTAG AGATGGGTT TCACCATGTT
 38881 AGCCAGGATG GTCTCGATCT CCTGACCTCG TGATCCACCC GCTTGGCCT CCCAAAGTGC
 38941 TGGGATTACA GGCGTGAGCC ACCGTGCCCG GCCTACTTC A CTTTCTTCAT TTAAAAAAGA
 39001 AATGGGGATA ATAGTACCTA TCTCATAGAA TTATTGTAAG AAGTGCATGC AGTAATGCAT
 39061 GTAAGTAGGT GCTCAGAAGA GTCGGACACG AAGTAAGTGC TTTTATCATC CTTATCATAA
 39121 TTTTCATTAT CAGAACAAAGG AGAGACCAAGG TAGAAAATTA TTGTGATTCT TCAGGTCTGG
 39181 AATACTAGAG TAGCATCCCA AATGAAGGCA CCATTAACACT TTGCAAATCT GTATGACACC
 39241 TTCATGCCAA TTAGAAAAAA CACCTCTCA CAACCCCTT CAAGATATTT GCCTCCTACC
 39301 TGCTAAAAAC ACCCATCATA CTACCCACAG ATAGCCATGA TGCTTTTCT GGGACAGGTG
 39361 CCTCTTCAT TCGTGCAGTG TACAGCCTTC ATAGCTGTGC AACTCACATC ACAATCAGAT
 39421 GGAAGAATCC CCAAGGCTTG GTGACAGATG AGTTACTGGG TAACACAGAG AGAGGATTCA
 39481 AAGGAAAAGT TGAACGGGTC CAGAAAATGC ATAGATACAT GTGTAAAAT CTGGTAAGGT
 39541 TATGACTAGC CACGTCCCAG GGTTCAAAGC TTTTCTCAGA TGTTAAAATG AATCATGTAA
 39601 GTCCCCCAA TTTAAGGAGT CCTCTTCAA AAATAGGAA TGAAATGACA TAGGTGTATG
 39661 TCTCTGAGGT GACGGAGGAA ATGAAGGAAG CCTCTAGATG CAGCTTGAGG TTCATGAGAG
 39721 ACAGTTCCAG GGGAGAGGTC ACAGCTAGGG ATCACCGGCA TGCAGGAAC CAGAAACCTA
 39781 AATGGGGAAA TCTTTTGAG GAAATGAACA GAGAAGGCTA AAATCAAGGA GTTCGTCAGG
 39841 CAATTCTAT GTTCTAGGTT AACTCTCTCC TGAAACATGA AGAGCTCATA AATGCACTCC
 39901 CTCTTGTAGT CTCTAGTTT GTCTCCTTCC CACAGTGAAGT CTGCAGGCTG CGTGTCACTC
 39961 ACGTTCAAGT AAGACGTAGT GCCCCATGGC TCCTCCTGTG GAGACAAGAG ACCCAGGAAA
 40021 GAGGCATCAC AACACCTAGGC ACCATCTTGC CTCTTCTCTC TTCTTATTTC TCCTCATTCA
 40081 CCCATCTCAA TTTAGACCTG GGCACATTG GATTCTCAAAGA ACCATTATCT CTCATCTGGA
 40141 AATGCTTATT GGCTTCTAA CTGGTCTCCT CACCTCTCAT CTAACCTCTT AACAAACACAT
 40201 TCACCATATA AGGGAGATCG TGGTCCTCCT TTCTTAGGAT CCTTCATGA CACCCAGTG
 40261 ATCATAACCC AATATCCAA AAGACCCCTTG GACTCTGTAT GAGCTGGCTT CTTCTGATT
 40321 CTCTTTCCC TACACCACAG ATGTTCAGGG GGTAGAAATG CATAATTGGT GAGTGATAGC
 40381 TAAGCAAAC T CAGGGTTAAG GTACAGTAAT TATTCTAAT CTCCAGTAT GCCTTATACT
 40441 CTCTACTTG GCATGGTTGC TCCGTCGTG TAGACCTCCC ATCATCTCA ACCTCACCTA
 40501 ATGGAATCCA GCTTCTCCTT CAAGATCCAG AAGGCTATCT TGATCCCCAG CTGAATGTGA
 40561 TCATTCTTC CTTTGACACC CTAAGCATTT GCTCCTGCC TGCTTTAGGA CCTCATGGGG
 40621 TCTTCTTAA CTACATTTAC TTGCTATCAA TTTCATTCCC TACCAGATTG GGGTTCTGAG
 40681 AATAGCCACA GTGACTTCTC AACCTCAAAG CCCCTGTACT ACCTTAAACA GCTCTTGCA
 40741 AATAGTAGGT GCTCTGAAGA TGTTTGTGA ATTAGAGACT TTCATTCTGG GGAGAACCAT
 40801 TATTTCTGT CTCCCAGGG GCTGCTGGTG TCCCCAAAGA ATATAAAATGA GAAAATGCT
 40861 TCCCAGGAT GCCAGATCCC CTCTGCCCT CTTCCCCTG TGCCCTGGGG CAGAGGTACT
 40921 AAGAGACTTC CCCCTGTTCTCACTCACTT GAACCCCTGCC TCTTCCTTAA TATTATGAAC
 40981 AAAATTCCAA TGAACAAGAT GACGACAAAA ACAGCAATT CACTGATGAC TCCAATGACT
 41041 AGGGTCCAG ACGGTGAGGG CTCTAAAACA GAAAAAGCAA GTTAAAGCCT TTGATTGCCA
 41101 CCCTCAGCCC ACCCCCTAAC AAAGAGCAGA TCCTCATCTC ACTGCCATAA TTACCTCCTC
 41161 AGGCACTCCT CTCAACCCCCC AATAGATTTT CTCAGCTCCT GGCTCTCATC AGTCACATAC
 41221 CCCAGATCAC AATGAGGGGC TGATCCAGGC CTGGGTGCTC CACCTGGTAC GTATATCTCT
 41281 GCTCTTCCCC AGGGGGTACA GCCAAGGTTA TCCAGCCCTG GTAGGTTCCA TCCCCATTGG
 41341 GCAATACGTC TTTAGGTTCG AACTCCTTGG CATCCATTGG CTGCTTATCC TTCAAGCCACT
 41401 TCATGGTGT GTTCTGGGG TAGTAGTTCA AGGCCCCACA CCGTAGAGTG GTCACTGAAG
 41461 AGGTCACTATG ATGTGTCACC TTCACCAAAG GAGGCACCTTG ACAGGAAAGA GGAAGGATGA
 41521 GGAGAGGGGA TCTGTTTACC CTTGCCAGGA AGACTGGAAC TTTCACTTCC TTCTATAGGT
 41581 TGGAGGAAGG AAATACCCCTT TTCAAGAAAAA AACAAGCTAC AGGAGAGACA CCATTTGTG
 41641 TCCTAAGATT GGACTCTAAC ACAGTGTCAAC TTGGAGAGCA GTCAGATCAG CTGTTCTCC
 41701 TCACATGTAA ATATACATAT CTGTTACCA TGTTCTTGT TCTGATAGAT AAAATTGCC
 41761 TTTATGTGCA TTGAAAATGA TTGAATACAG ATGGTCAGTT TCACCTGGGT CAACTAGGA
 41821 GGCATTGTTA TAAGAAGCGG ACTTGTAAAGA TAGTAGCTT CAGTGATTAT TGCTATGTTC
 41881 TATGAAAGAA ACTTTAACCA TAAAGGATTC TTCTACTCTG ATAAGTGGCC TCACTTGATA
 41941 TTTTGTCTG GTATTCTAT GATAGCTGAG ATCTCTGAAT TCTCTTTTTT TTTTTTTTTT

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42001 TTTTTAAGAT GGAGTCTCAC TCTGCTGCCT AGGCTGGAGT GCAGTGGCGC GATCTGGCT
 42061 CAGTGCAACT TCCGCTCCC AGGTTCAAGC GATGCTCCTG CCTCAGCCTT CCAATTAGCT
 42121 GGGACTACAG GTGCCATGA CTGTGACCAG CTAATTTTG TATTTTTTA GAGACGGGTT
 42181 TCACCATGTT GGTCAAGGCTG GTCTCAAACCT CCTGACCTTG TGACCACCCG CCTCGGCCTC
 42241 CCAAAGTGCT GGGATTACAG GGGTGAGCCA CGGTGCCCCGG CCTTGACATT TCTGAATT
 42301 TAACAGGTAT AAATATACAA AAGATTATTG GTAAATAAA AAGCAAGGGC CATAGACACT
 42361 TCCCTTGAG CCATATGCAT GGAGAAAAGA AATTAAACCC ATGACTTGTG GCTGTCTCAT
 42421 ACATCTCAAT TATAAGGTAG AGACTCTAGG ATTGAGAAG TCCCTTCCC GAATTGGAG
 42481 AGGCACACAG CCTCAGCCAC CTCTGAAACT CCAACCAGGG ATTCCGTGCC CTGCAACCTC
 42541 CTCCACTCTG CCACTAGAGT ATAGGGCAG AAGTGTGTT CCACCATAAC TTGTTGGTCC
 42601 AAAACACCTC TCCCCAGCTC CAGCAACTGC TGCACTGTG CAGGGCAGTC CCTCTCCAGG
 42661 TAGGCCCTGT TCTGCCTGGC CCGAATCTTG TGCCCTTCCC ACTCCAGCTT GGTGGGCCAG
 42721 GCCCTGGGTT CTGCTGCTCT CCAATCCAGT GTGTCAAGGG AGAATTCAAG GTGGTCTG
 42781 CCATCATACC CGTACTTCCA GTAGCCCTG GTACTGTTGT CTTCTGCAT TTCACAGCCC
 42841 AGGATGACCT GCAGGGTGTG GGACTCTGGA AAAATCCCCA GCCTTGTAA CTGCAACCAA
 42901 AGGAATAGGT CCCTATTTC ACCATCCCCA AGGACCAAAT GATCTCAGGA AGCAAATTCC
 42961 TTCCCTCTTC CCTGCTCCCA CAAGACCTCA GACTCCAGC TGTTCCCTC AAGATGCATG
 43021 AAAAGATGAA AAGCTCTGAC AACCTCAGGA AGGTGAGGCC CCCTCTCCAC ATACCCTTGC
 43081 TGTGGTTGTG ATTTTCCATA ATAGTCCAGA AGTCAACAGT GAACATGTGA TCCCACCC
 43141 TCAGACTCTG ACTCAGCTGC AGCCACATCT GGCTGAAAT TCTACTGGAA ACCCATGGAG
 43201 TTCGGGGCTC CACACGGCGA CTCTCATGAT CATAGAACAC GAACAGCTGG TCATCCACGT
 43261 AGCCCAAAGC TTCAAACAAG GAAAGACCAA GGTCCCTGCTC TGAGGCACCC ATGAAGAGGT
 43321 AGTGCAGAGA GTGTGAACCT GGAGACAGAG CAACAGGCCT TAACCATGTG TAGTAGGAGG
 43381 GGAGCAGGAT GTTGAAGGCTC CACACACCTG CATCAACTCA TACCATCAGC TGTGTCTGGT
 43441 CCTCATTTC TGAAAGGGTGA GTTGCAGTCC TGTCTTTCTT CCATATGACA GTCCTGGGTG
 43501 CTCTTCCCTT GTGTGCTTTT CTCTGCCACA CGTGGCTGCC ACCCCCTCAC TGCCCCCAGA
 43561 TCCTATTCCA ATACTCATGA TTAGACAGAC TCCACTAAAG CTGGTGGATT CTAGAAAATG
 43621 TTAAGGTGTG TCTAGCCATG GTAGTTAAC TCAGGAGTTG GTGCTCAGGG CAAATTAGAC
 43681 CCAAATCCTG AGGAATAATT CCTTCAGTTT TTTTTTTTTT TTTTTTTTTT TTTTTTTTTT
 43741 GAGACAGAGT CTCACTCTAT CACCCAGGCT GGAGTGCAGT GGCACAATCT CAGCTCACTG
 43801 CAACCTGCAC CTCCCTGGGTT CAAGGGATTG TCCCTACCTAA GCCTCTGAA AACCTGGGAC
 43861 TATAGGCGTG CGCCACCACA CCAGGCTAAT TTGTGTATT TTAGTAGACA TGGGGTTCA
 43921 CCATGTTGGC CAAGCTTGTG TCAAACCTC GACCTCAAAT GATCTACCTG CCTCAGCCAC
 43981 CAAAGTGTG GGATTACAGA AGTGAGCCAC CGTGCCAGC CTTGGCTCTG AATTCTTACA
 44041 CTGAACTGCC TATGTGGCCT CACCACTGG AAGCCTGACT GGAATCTAA ACTTAACATG
 44101 TCCAAATGCA GATCCTTGAT TTACCCAAA CTGCTCTTC CTCTGCCCTC ACCATCTCAG
 44161 AAATGGCATT GCCAATTACC CCACTGCTCA GGCAATAAA ATTAAAATAA AGAACAAAGT
 44221 CAACTTAAAC TCTCTCTTT TTCAGGGGGT CAGGGGAGAC AGGGTCTTGC TCTGTCACCT
 44281 AGGCTGAAGT ACAGTGGCAC AGTCATGGCT CACTGCAGCC TCAACTCCCT GGGCTCAAGC
 44341 AATAACCTCC ACCTCAGCCT CCCGAGTAGC TAGGATCACA GGTGCATGCC ACCACACCC
 44401 GCTAATTCTT GTATTTTTTG TAGAGAAGGG GTTTGCTGT GTTGCCTCAGG CTGGTCTTGA
 44461 ACTCCTGAGC TCAGGAATCT GCTCTCTTG GCCTCTCCT TGGCATGAGC TACTACACCC
 44521 AGCCAATTCT TCTCTTCTC TCACACAAAC TAGAATCCTT CAGCAACTTC CTTCAGAATA
 44581 TATTCAAGGAG ACAATGGTTT GTCACTCCCT TTCTGTTCC CACCCAGCCC ACTCCACTAC
 44641 CTCTTGCTG GACTGTGTAA CAGCTTCTG GCTGGGCTCC CTGCTTTAC TGTTGCTCOCC
 44701 TTCATTCTGC TTTCCACATA GCAGCCAGAG CAATCTTTA AAAGCCTGTG ACAGATCACT
 44761 GTTACTCCCT GGCTAGAATT CACACCAACAG CCTACAGGCC CCTGCACAAC CTTGTTGTG
 44821 GCTCCTCTTC TGAGCCCAATT ACCTACTTCT TGGCCTCTAC TCCCCAGCAC TACTTGT
 44881 TTTTTTCAA CCCGAGCTTC TTAACCAGGA GTTTGCTAC TAGGTGACAT GTGGCAAAGT
 44941 TTAGAGACAT TTTGGTTGT CAAGACTGGG GGAGTGCCTC TAGCACCTAG TGAGTAGGGA
 45001 GGACAGGATA CTGCTAGACA TCCTACATGC AGATGGTAGT CCCCCCTCCCC ACCCCCCACGC
 45061 CGCCCCCCCC CCCACACACA CACACATGAG TAGTGCTGAG AAAACCCGCT TTTTAATCCA
 45121 ACTTGCCAGG CCCACTCAGT TTGCCTGGGA AATACTGCTC CCAGTCATAA TCATTCTTAT
 45181 TTCCTTCATG TCTCTGCTCA AGTGTCAAGCC CCAGAGTGAC TTGCCCCGAC TTCTCTGCTT

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45241 CTCACAAACAC CCATGATTTC CTGATGTTGT ATATCTTCT GCTCATTGCTT ATTGTCAT
 45301 CTCTCCCAC AGAATGCAGA ATATCAAAGG GTAAAGACTT GTTTCCCTGC TCTCTCCCTT
 45361 GGGGCTTGAA CAGTGCAACA CATGGCTGGG ACTCATTAC ACCTGTAAAC AATGAATATT
 45421 TCTGCTAAC ATGAAATTTC ATTATTCAAC CTCTAATGCA GTGTGATGTT TAAGAATCAT
 45481 AGCTATGAAG TGGAGACATG AGCTCTGCCA CCAAAGCCCC GTGTACCATT GAATAAATT
 45541 GCCAGGAAGC AGGCCGTGCC ATGCCCTCATT CTTGTCATGT GTAAAATGTG GATACACGTA
 45601 GTACCAAAAC TCAAAGTGCT GTGCTGAGGC CGCGCTGTGA CCCACAGAAC ACTGTGCTAC
 45661 ACTACAGGGC AAAATCACTG TCAACTAAGA TTAGAAGCAG CTGTAAGTACT TGAAATAACA
 45721 TCAGAAAACC AGATTATTTA TGTTCTTGT AACCTGAAAA GAGTTATATA ATCTGAATT
 45781 CAGTTAACCTT CTAGTAAAT AACAGTATTA TTAGCTCTA CCTCCCTATG CCTAGTGAAA
 45841 ATCAAATAAG ATCAGATATG AATGTAACCTT AGAAGTGAGT GCATTGCTTA CATGTTCATT
 45901 ATCAGTACTT TGTAGAGAGG CCTCTTAATT ACACAGCACA TTGCAAATCA ATAAAGCCTA
 45961 GCCGAAAAGA GAATTGTTCA GTTCAAACGT TCAAAACTAA CATATACTTA ATTTTCCAGG
 46021 CAAAAGAACAA ATTGCCAAGA GTGGGAAAG GCCCGAGGTAA GGCTCTCTC AGGAGCCTCC
 46081 CACCCCTAGAG ACCTCCACCC CAGGTCTCAC CAAAAGTGGG TGGAATGGTG AAAAATTCA
 46141 ATCCCCAACG CCACCTTTG GCGCCCCAC CGCCCAACGC ATTGCTCTG AGGTGGAAAC
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 46261 TCCTGTTGG AGATGACTGG GGAAAAAAACT GCACAGCTGA CATTGAAAT AAACCCGAGT
 46321 TCCAGGTCTA AGGAGCCCCA GGCTTAGCTC AGCTCAAGTG AGGAACACTACG AGATTATTT
 46381 AAAAGCATTC TAGTTGGGG AAGGGAGTGG CGGGTTCCAA AAGTCACTCC GCAGAGCCGG
 46441 GACAGCCGGG GGAGGGGGCA GGTCCTGGGG CGAGGGACCC CTATCTGCAG TTCAGTGGTA
 46501 GGCACCTCCCT CACGGGGTCT GGACGCAGAA AGTAGGGAGA GGGGCTTGC GATTGGGTTG
 46561 AGCAGGTCTT CCAAAGTTAG CAAACTCCCAGC AGCGCAAAGA AAAAGCTAGT TTGATTTTT
 46621 CCACCCCCCGC CGGCCCTCTA GTTCGCCCCGC AGCCCTCGGA CTCACGCAGC AAGCGCCCT
 46681 GCAGGACCGC GGTCTGCAAA AGCATCAGGA GGAGAAGCGC CGGCCTGGCT CGCGGGCCCA
 46741 TTTCCCCAGC TCTGGCCGCA CGTCCCCGTT AAATCTCCGC TTCTTTGGG GGGCGGGGAA
 46801 ACGGGGATGG CTCCAGAAGT CACCCCTACAG CTATTGCTTA GGCTCAGGAG ATGCCAGTA
 46861 AAACTTCTG GTGAAAGCA ACAGGTCTT CAGAACTTTA GTTCTCTCTC TCCTACAGCA
 46921 GAAGGTACCT GCTGTGAAA CACTAGGTGA TCCAGTGTCC CCCTTGTTT TAAATCCTG
 46981 AAGGGGTGTT GTGATTGGG GAAAGTAGCT TCGCAATGTT CTGATCTGAA CTTTAGATAT
 47041 TTAAATATTT ATGATTTCA AAATTCAATC ATACATTAA AAATTTTATC TCAACCTTAG
 47101 ACCAACTTAT GTCTTATTG ACTTAGAAAT ATAAAGCTTT TTCATTGTTG TTTTGATTC
 47161 AAATTAAATTA AGTCATAACA TTAACCAATT AGATCCTACT GAAACACGTT CCACAGCCTT
 47221 CATAATTGAA TTATCTGACA AGTGTTCAC AAACCTTACA GTATTGGGAT TATCTGGAGA
 47281 ATGATTAAC ATATTGAGGC CTGCTCTAA CCCCAGACAC ACTGATTAA TGGGTAATTG
 47341 TTAGGTAGTT AGACATTAGC AGTTGGGAGG GGATGACAGA AGAGAGCGGA AAGGCTGTCA
 47401 CTAAGACAGC CACTGGCCCA CCTAAATTCA GGCCCAAGAC TACCTTAATG CCACCTAAG
 47461 GGATGGAGTT TATGATAAAG TCTGTGCCA AAATATCCTG GAGAAAGAGA AAGGAGGGTA
 47521 CAGGTGGAAA TTCCCTAAGG TGGCACATGC CCAACAAACAC AAAAGCTGT CTCAAGTTC
 47581 ACCCCAAGTT CATCATGCCA TCATTATAAT AGAATTACA TACAGTTTG CCCCCCCATC
 47641 CCTGGGAGGC TTTCTTAAC AAATTATAGG TAAGACCATG CACAGTTAA TTTAGATTG
 47701 TATAGCTATA AACTTCAATC AAATAACATC ATCCTGTCAC TCAGATACAG CCCAACCTC
 47761 AACTCTCCC CACAAACCCC ATAAAAGCAC CTTGAGCTCT GTAAAGAAGT GCTGAGTTCA
 47821 CTTCGCAGAA ATAAGCCCGC TGTCCTCAG AGTGTATTAT TGTGCTCAA TAAACCTTG
 47881 TTTAAGCTTG CATTGGGTG TTAGTTGTA GTTCTTGCT CACTATCACA AGAAACTGAGA
 47941 TTGCTGCTTC AGAGCTCCGG CTATAATAAT CTCCTCGGTT AAAGGATCCA TCCCAATGCA
 48001 TAATTCCCAAG TAACAGTATG GGATGCCACC TGGGCAATGG GATTTAAAAA GCTTCCCTTC
 48061 TCCCTCAACG AAGTTGGGA ATTATTGCCT TAGACATTTC AAACAATATT AATAAATT
 48121 ATACACCTGA TTTGCTCCAA ACCTTTACAT ATCTAGCAA TTCAACAGGC ATTATTTTG
 48181 TAAGCATGTA TGCAAATTT GGCAATTCAA GAAAATCAA CAGGATATCA GGGCCTCGAC
 48241 TGTAGGCAGA CAGATACAAT AACATTGGAA ACATGTAGAA TATTGATGAT GGGCACATTG
 48301 GGGCTGATAG TACTATTCCCT TTTTTCAAT TTTGGTAAG ATATAATTAG CATACCATAT
 48361 AATTCACTA TGAAAATGC AAAATTGGC CCAGCTCAGT GGCTCACGCT TGTAAATCCCA
 48421 GCACTTTGGG CGGCCGAGGA AGGCAGATCA CCTGAGATCA GGGTTCGAG ACCAGCCTGG

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48481 CCAACATGGT GAAACCCCGT CTTTACTAAA AATACAAAAAA TTAGCCGGGC GTGATAGCAG
 48541 GCAACTGTAA TCCCAGCTAC ATTAGAGGCT GAGGCAGGAG AATCGCTTGA ACCCGGGAGG
 48601 CGGAGGTGTC AGTGAGCTAA GATCGTGCCA TCGCACTCCA GCATGGGAGA CAAGAGCAAG
 48661 ACTTCATCTC AAAAAAAA AATTAGCTGG GTGTGGTGGC ATGCACCTGT AATTCCAGCT
 48721 ACTCGGGAAAG CTGAGACAGG AGAATCGCTT GAACCTGGGA GGCAGGAGGTT GTGGTGAGCC
 48781 GAGATCATGC CATTGCACTC CAGCCTGGC ACAAAGAGCG AACTCCGTC TCAAAAATAA
 48841 AATAAATAAA ATAAAATGCA AAAATTAAATG GATTAGCTTA TATTTACAGA GATGTGCAAC
 48901 CATTACCAAA ATTTTACATT TCTATCTCCC CAAAAAGAAA CCATGTTCCC CTAATTCACT
 48961 ACCCTTAATT CATCGCCTCC CAGATTCTC CATTCTCCTC CTCCTCCCC CCCAGCCCTA
 49021 GACAATCTT AATCTACTTT CTTTCTATTT GGAACATTTA GTATACATAG AGGCATATAA
 49081 TATATTGCTT TGCCGTGACT GGCTTCTTTC ATTTAGCATA ATGTTTTTAT GTATGTTTT
 49141 CATGGACCAA TAATATCTAT TATAAGGACA TACCACAACA TATTTTATTT ATTCAATTCACT
 49201 CAGCCGATGG ACATTGGTTT GTTCTACTT TATGGCTATT GGGAAATAGTG CTGTTATAAA
 49261 CATTATGTA CAAGTTTTT TGTAGACTTA TGTGTTGATT TCTTTGGTT ATATATCTAG
 49321 AAGTGGGTTT GCTGGGTCAAT ATGGTAACAC TGTTAACCT TTTGAGGAAT TGCCACATTC
 49381 TTTTCCAAAG TAAGCATTTC ATCCTCTAT CAGCAGTGT TGAGAGTTCT GATTTCTCTC
 49441 CATCTTGCC TGGGTTTTG AATCAGGGCC CCAGATAGAA CAAAATGTG GTTATTCACT
 49501 TGTTCCACCA TCACTTGGTG AGAAGACTCT TTTTCATTG AAGTGGTTTG GCACCCATTAT
 49561 CAAAATCAA TCTACCATAA ATGTGAGAGT TTATTTCTGG AGTCTCAATT TTATCCCATT
 49621 ATGCTATAAT CTATAATCCT ATCTTTTTT TTTTTGACA GAGCCTCACT CTATTGCCCA
 49681 GGTTGGAGTG CAGTGGCCCA ATCCCAGGCCA CTGGCCTCTC CTCCCAGGTT CAAGCAATT
 49741 TCCTGCCTCA GCCTCCCAAG CAGCTGGGAT TACAGGTAC TGCCACCATG CCTGGTTAAT
 49801 TTTTGTATTT TTAGTAGAGA CGGGGTTTCA CCATGTTGGT CAGGCTGGTC TGGAACCTCCT
 49861 GACCTCAGGT GATCTGCCA CCTCAGGCTC CCAAAGTGCT GGGATTACAG GCATGAGCCA
 49921 CCACACCCAG ACTATAATCC TATCTTATG TCAGGACTAC ACTGCTTGA TTACTATAGC
 49981 TTTTTAGTAA ATTGAATTCA AGAAGTTCT CAACTTCAAA TTTGATCTT TTTTGGAAAGA
 50041 CTATATTAGC TATTCTCAGT CTGCTGAATT TCCCTAGGAA TTTTAGGATC TATTATCAAT
 50101 GTCTATTCTA TTTTTGTATA TGTTTTAATA TTTTCATAAG AAACTTTTT CATTAAACT
 50161 TTTTTTTTA AGAAAATAG TGAAAATCAG AATACTGGGG GTCAGGGCGA TTAAACAGGC
 50221 AGAAGAAGAA TAAAAACTTG TCATATAAAC AAAAAAGAAA TGACCAATCA CATTGTGGAA
 50281 GCCATGGAGT GGTATAGGT GCCAAAGGCT GCAGAGAAAT GGTGTCAGAT ATACCTGAAA
 50341 ATTGTCCATT GTATTTGGCC ATTAAGAGAC TTAGAAGACT TAAGCCATAG ATTGCTCAGT
 50401 GAGACCCCGA GGGCAAATGG TCTGAAGGTG AATAGATCAT TTCACCTTTA AGAGAGCAGG
 50461 TAGGAAGCTA TAAATCCAAG ATTAAAAAGT TGACTGAAC GTTAAAGAAG AAACCTCTAAT
 50521 CTTGAGCAC CCTATCCTTG CTCCACCTTC TGCTGCAAGC AAACAGAAAT GCTGAAATT
 50581 AACACTCACA AAGGCTGGTA AGCTGGAAAT GACAAAATT ACTCCTGGGA AAGTCAGATT
 50641 TAGAATTAGG CCATATTGT TGGGGTTCAAG ATTTCTATGT ACACCTGGGA AAGGGTTTAG
 50701 CTTATAGGCA CATGCATGAA GGGAACTGGT ATAGGGCTGT GTTCATAAGG TCAAGAGTTG
 50761 AAGGCCAGGC ATGGAGGCTC TTGCCTGTAAC TCCCAGCACT TTGGGAGGCC GAGGCAGGAG
 50821 GATGGCTTGA GCCCAGGAAT TCAAGACCAG CCTGGGAAAC ATAGGGAGAT GCTGTCTTCA
 50881 CAAAACAATT AAAAAATAAA ATTAGTCAGG TGTGGTGGCA CACACTGTG GTCCCAGCCA
 50941 CTCAGGAGGT TGGGAAGATC ACTTAAGCCT GGGACATTGA GGCTGTAGTC AGCCATGATA
 51001 GTGCTACTGC ACACCAGTCT AGGTGACAGA ATGAGACCCCT GTCTCCAAAA AAAGAGCTGT
 51061 ATCCACATCC CAGGAAAGTG GTTGAAGATC TACCTTTCTC TGTAAACCTA ATAAAGAATA
 51121 GAGTGACAAA TGTGTGTTGT GGAAAGAAAT GGGGTGAGAG CTACGTAGAT GCAAAACAAT
 51181 ACATCCCCAC ATACCACTTG TTAATCATCC TTTTCCACCC ACTTATGGGA TGAATTGCAT
 51241 CTCCCCAAAA GATACTCTGT CCTAACCTCTC AGTACCTGTG AACCTGACCT TATCTGGAAT
 51301 ACGGTGAGTT CACTGGTTAA GAAGAGATTA TAGTGGAAATA GGGTGAGTCC TCCAACCAAT
 51361 GACTGGGTC CTCACAGACA CAGAGGGATG ATGCCAGGT AGAGATGGAG GCAGAGATTG
 51421 GAGTTATGCT GCCACAAACC AAACACAGGA AGCTGCTAGA AGTGGAAACA GGCAGGAAAG
 51481 AATCCTTCCC CAGAGGCTAC AGAGGGATCT TGGCCCTGAT AATACCTTGA TCTCAACTGG
 51541 CCTACGTAAC TGTGAGAGAA TAAATTCTT TTGTTCTAAG CCACCCAGTT GATAGTACTT
 51601 TGTTACGGCA GCCCTAAGGA ACTTGATATA CATTCTTTT ACTGTCATAG AAGTTTGAA
 51661 TCTTTTAAGT AGGTCTGTAC CCTTCCTCCC AGTGTCAACG CATGGAATTC CTCTCCTTGT

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51721 GCCTTGAAAA GTGAAAGGTG TTTGAACCTGG TAATGAAAGA AATCTCAGCA TGAGGCCAGA
 51781 TGCTGTACCT CACACCTGTA ATCTCAGCAC TTCGGGAGGA TGAGGGGGC AGATCACTTG
 51841 AGGTCAAGGAG TTCTAGACTA CTCTGGCCAA CATGGTGAAA CCCCATCTCT ACTAAAAACAA
 51901 AAAAATGTTA TCCTAGCCGG GCATGGTGCC TGTAGTCCCA GCTACTCAGG AGGCTGAGGC
 51961 AGGAGAAATTG CTTGAACCCG GGAGGTGGAG GTTGCAGTGA ACTGAGATCA CGCCACTGCA
 52021 CTCTAGCCTT GGTGAGAGAG CAAGACTTGG TCTTAAAAAA GAGAAAAGAA AAATGAAATT
 52081 TCAGCATTAT AGAATAAAAAA TGTTTCCCCT TCCCCCCTAA CTTTAAAAAA GCAGAAGTCT
 52141 GCATCATAAA ATGGTCTTTG CCAATGTTAT TTTTATTATA ACAAAAGGAAT CTTGCAAGGC
 52201 TACCAAGATCT CAGCAATTGT CACTATGTT TGAAAATTC ACTTCCTAAA ATGTCTGAAT
 52261 TGACTGCTTG TCTCATTTAT TTGTTCTCG TGTCAACTG CAATGGATAT CTGTCTTGT
 52321 AGTATAAATA TTTGTGCATT TTGTTGTTGT TAAAACAGCT TTTTTGGCCT GTCTTCTTCC
 52381 ACCTATGAGG TAATATAAAA CTCATGTTA ACACATTATT TTGTAGGAGG ACAAGCTACA
 52441 GACAAAACCC CTCAGACACT GAGTTAAAGA AGGAAGGGCT TTATTCACTG GGGAGCTTTG
 52501 GCAAGACTCA CATCTCCAAA AACCGAGCTC CCTGAGTGA CAATTCTGT CCCTTTAAAG
 52561 GGCTTGCAAC TCTAAGGGGG TCTGTGTGAG AGGGTCATGA TCGACTGAGC AAGTGGGGGT
 52621 ATGTGACTGG CAGCTGCATG CACCAGTAAT CAGAACAGAA CAGGGATTTC CACAGTGT
 52681 TTCCATACAA TGCTTGGAAAT CTATAGATAA CATAACCGGT TAGGTCGGGG GTCAATCTT
 52741 AACCAAGACCC AGGGTGCACAC ACCAGGCTGT CTGCTGTGG ATTTCATTTC TGCCTTTAG
 52801 CTTTTACTTT TTCTTTCTTT GGAGGCAAAA ATTGGGCATA AGACAATATG AGGGGTGGTC
 52861 GCCTCACCTA TTCACCCCCCT TTGAGAATCT CACTCATTAG TGGGAGTTCT CACTTTTATT
 52921 CTCACTACCT ATGTCTTCTT GAAAGACAGA TTGATAATGA TTCATATAGT ACACTTGTGC
 52981 TGAAGCATT TGGTGAGCTA AGGTAGTGAT GAAGCTTTT ATCATTGGA GAAGTACAGG
 53041 TAGCAAACAA GGAAGCAGTA AGCAGGTTTC TATTAATATT ATAACCTCTA TTATAAGAGT
 53101 TTTAAATCTT CTTAGCACTC GGAACCATT TTCAAACATG GCCCCAGAAA CAAATCCATA
 53161 CCACACCTAC ATGGGCACAT GTGCCACTT TGTCAATTCTT CTAACATATGT CTTCAACTAC
 53221 TTGCCCTTAA TCATCTATGT GTAGACAGCA ATTAGTAAGG TTAAATTTC TACAGACCCC
 53281 TCCTTCAGTT GCTAGCAAGT AGTCGAGAGC CAATCCATT TGATAGATAG CATTTCGCAT
 53341 CTGAGTTCT TGCCAGGCCA CAGTAGTCAG GGCTCTGCTG GTCTTATTAG TAATTATTTC
 53401 TAAGACAGCT TGTAACCGTA TGATTCACTT GAGCAGTAA ATGGGGGTCC CATATCCCCA
 53461 CAAGCCGTCT TGTGCCCAAG TAGCAGGCC ATAATATTGT ATGATTCTCT CAGGGGGCCA
 53521 TTCATTATTT TTCCAATTTC CTATAGCTAT GCTTTTTTT TTTTTTTTT TTTTTTTTT
 53581 TTGCGGGAAAG CATATACAGG GAAGCCCAGG AGTTGCCTG TCTTATGGG CAGTAGGAAG
 53641 AAAGATGTT TAATAGTGT AATAACACAA CTACCTGCC ACTGGTCAGG TAATTGGCA
 53701 TAAGCTGTAT GCCCACATAT CCAGTATAAT CCAGTGGGGG CTGTCAGTC CCGGTGGAC
 53761 TCTGGGTGGG TCCACACAGT TTGCAACTTT GGGATTTC TAAATAGATT TTTCTTAGTG
 53821 TGGTTTGAAC TCCACTAGGT GGCTTTTTT ATAGTACTAT TATACAGTT TTGCCCAAGG
 53881 CAGCTGAGTC TTCCCACAGG AAGGGTGAAG TCCTTCCCCA CTTTGCTAT ACAGTATTGT
 53941 CTAATGATTG AGGTTTTAG GACCCAGAAG TTATCAGGGT GAGTCTTTG AGCTGGGAAT
 54001 TTATCAGGAA CTGGGTCTGT AGGTACTAAT TCTCGTGT CCCATGGCCA TTGATCTCCC
 54061 ATTACAGTTT CTCCACACATC ATACATAACA TGAAGTGACA TTGAGAGACT GGGCTACATG
 54121 CTCAGCTAA TGCAAAACAA AATTCTTGT TTTCTTGGAA ATTTCTAGTA CTGGCACATT
 54181 CAGTTCATCA TAAGAAGGT TGAAATACTG GCTCAGGGGA GCATTATAA ACTTCTCCTC
 54241 AAACCACCAT ATTTACTCAA GGATCCAGTC CAGCCCCAAC TATTCTAAG GTACACGAT
 54301 CCCCTTTTTT CCAGTGAGAA TCAAGGGGT TGGTTATTAC TAGTTCTAAG GGTTACACT
 54361 GACCACTGGT ACAGGAAGGG CCACCTTCC CTTCTGAAG GTGGACAGGA TTCTTTTTAT
 54421 TTTTTAACCA AGTTGCCTAA ATGACACAAG ACCAGTATCT ACATTATTT CCACGCAGTC
 54481 TTAATTCTATG ACAAGCGTAC TTATTTCTG CCATATAGCC TCTTCTCAA TGAACAGAAC
 54541 CACATCCTAT TTCTAACTTA TTACTATTAA TGACAGCACA GGCATCAAAT TTCAAGGTGA
 54601 CTTGTTGGG CATTCTTTT TCTTCTGTT TGGCTAACAC TTTACTCGTA TCGTTTATGA
 54661 ACCCCCCACCA GTCCCTCAGTC CTCATCTTA TTTCAAAAC TGTGGTCGTG GGAGGCTCAG
 54721 ATGGGTCTATA ACACACATCA GGTTGGTCAT TTCTTGGCT ACCTGCCTTG TATAGAATAG
 54781 CATTATACAA ACAAGTTATT TTTAGAGTCT TTGTACACTT ATAATAACCA TAAAATAATA
 54841 AGACTGTAGC AACTTTTGT CCTACCTCAG TGACTTGATG TATACACTGG GAACAGCCCT
 54901 CAGTCTGAGG AAGGTTAGTT GAAGTCTTTA CTGTGCAAGT CCAAATTTA AGGAAAATGA

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54961 GTCCCTTGAT GAGTTTCTC ATGTTTCGGC CATGCATGGA CCAGTCAGCT TCCGGGTGTG
55021 ACTGGAGCAG GGCTTGTGT CTTCTTCAGT CACTTGCAG GCGTTGGCGA AGCTGCCACG
55081 TACAGCTCAC AGTCTACTGA TGTTCAAGGA TGGTCTTGGA AGTTGGGCC ACTAGAATTA
55141 ACTGAGTCCA ATACCTCTAC TCAGTCAC TTCAACTGGGC TTTCTGATAC CAGGAGCAAG
55201 GTGGCAGGTT TTAGGGTGTG GCAAATTCA ATGGTTATGC AGGGATTTTC ACATAGCAAA
55261 CTTTGGTACT TGGTTAACATC AGCATTGTT AGCCAATGAT GTATTATTAA AAGTCACCAC
55321 AGCATGGAGG GCCTTAAAGT TTAGGTTTG TCCAAGAGTT AGCTTATCTG CCTCTTGTGC
55381 TAGCAGGGCT GTTGCTGCCA AGGCTCTAA GCATGGAGGC CAACCCCTAG AAACCTCCATC
55441 TAGTTGTTG GAGGCCAGC CTCGGCCAGG GCCCCACAGT CTGGGTCAAA ACTCCAACCG
55501 CCATTTTTC TCTTCTGAC ACATAGAGTG TAAAGGGTT TGTCAGGTCA GGTAGCCCCA
55561 GGGCTGGGC CGACATGAGT TTTCTTTA ACTCATGAAA AACTCATTGC TGTTGGTTGT
55621 AATAGATGTA GTTATCCAA TCTACATTTC TATTAACGT CACCCACCAA AATATTGACT
55681 CAAATCCTGC AGCTATTGAA TTTTGGGATT TAAATTGATC TGCTATTCCC TGTTGGACTC
55741 CAATTGCATC TAAATAGATG TGAGAGTTGA AAGACACATA AGGGCTTTCT CTGCTTTAC
55801 GATGTCTTAT TTTCTCTCCC TCTGGTTGAT GAAATGCTAG GGTGAAAGGG ATAGCCAAC
55861 GGACTAAAGT ACAAGTGCCG CTCCAGTTAT TTGGCAGAGT GCCCAGTAAA GGTCCACAC
55921 AATACCACCA CACATCCGCT TGGGGATGAA CAAAGGCTGA CTGATTGAGA AGCTCCTGAA
55981 AATTCTTAAG CTCACTGCAT CCCTTCAGGT CTCCAAGGAA TGCTAAGTTT CCTCCCTGTC
56041 ATGAGAGACA AGAAGTGAAC TTAGTTTGG GAGATGGAAG CTGGATGGCC CTCAGGGTT
56101 GACCTGCAGG GTGCTGGACT TTGGGATATA GCAGAGAGAG CTTGGCACGA CTTATTACTC
56161 CAGGCTGTAG CATCCTGGAA AACAGTTACC ATGCAGGCCA TGCCCTGGTCA ACAGGAGGAC
56221 CACCTTAGTG GAAAGGGAT AATCTGGCCC TCTGGCCTGC CATGTGCACA AGCATAACAA
56281 TTGGTTTGT TTAATGTGTG GACAGAATAT TTGATCCATT CCAACTGGGC ATTGTCATCT
56341 TGGTATCCTG CTTAATTATC AAAGTTGTT TTAAGTCTTT AACTTCTATG ACCCTCTAGT
56401 AAAATGAATG TATGATTAA GGAAATTACA AAAACCGGTT GGGCAGTCC ATCCCTCGCTC
56461 TTTAGTGGTC CACACAACAT TCGACCAACT ATGGCATAAA AGCTCTACAT CAGGGGGCAA
56521 GACTCCTCGT TGACACTGGG GTCTTTATTG AAATCTCTCT GGATTAAATG GTCTCAGTTT
56581 ACTAAGGCTC AGTCTGAGGA GAGTCAGGAG GGACAGAGGT ACTTTCTGA AGTACAGAGA
56641 TGTCTTCGAC TTGCAAGTC CCCACAGGGT ATAACAAGGC AAGCATAAA TTCAATAGTT
56701 TGAGGCAAA TTGACTTGGT TATGTTAATA ACTAGATGGT CAGAAATAGA GTGAGGGAAAG
56761 AAGAAAAGAGT AATAGAATAG ATGAAGGGAGT TAAATTTC TTAGCTTGTG TTTGGTAGGG
56821 TTTTCCCCCTG GGACTATGGC CCATGACTCT GGAGGGGGTG GCACCTTCTT GACTCGGGTG
56881 TGATGAGTCC ATCCCTTTT CACCGTATGA ACAACAGTCT CGGTGGTTAG CAGCACAAGG
56941 TAGGGTCCTT CCTAGGCTGG CTCAAGTTT CCTCTTTCC ACCCTTGAT GAGAACATGA
57001 TCTTCAGGCT GGTGCTGGTT TACAGAAAAT TCTAGGGGTG GTACATGTGC TAAAAGACTT
57061 TTAGTTTGA GGGAAAGGA AGTGGAAAGAT AAACCAAGTA TATAACTTTT AAGAAGTTGA
57121 CCTTTGTTT TAAATGTGGG GACATCAGCA GTGGACTTTA TAGTCCTTGG TGCCTTCTTA
57181 CTGAGAAATT TCCTTAGCA CCTATTTTA TTAGTTTTA GACCAAAGAA AGTCAAATGC
57241 CATTTTATAT TTGACAACGC TTCTGTATG TTTATACCAAG ATAAGCTAGA TTTCACCTTT
57301 ATATTGGTGT GTTATTAAATG TTAAACTTAG TTTAATAAAA ACTCTGTAGA CATATTATT
57361 TGATTTTAA TGTCTGACCA TAAGGTAAGA TTTTTATAGA CTTTTCTTA ACCTTTATA
57421 ATTTTGTTA AAGAACAGGT TAGTGCTTTA AGAAAAAACCC GTTGTGTTTT TATTTAATG
57481 TTCAGTTCAC AGAAAAACTG TATGATACCC CTTAACTTTA GCCAATATGT TTAGACACAG
57541 AATTTTCTTT ACAATTAAAGG TTTCAAACACT TGCTTAAACCC TTCAAAACAA TTTTGTAAC
57601 CTTTTAATGT AGGTAAAAAT CCACATTCTT ATGCATCCTC ATAATCCTTT TACCAAAGGT
57661 ATATTTTACT TTCCCTTACAT ACCTTGACCA TAAACTGTTT ATTCAATAGT TTACATTTA
57721 GAAGGAGGCC TAATTACTTT TAAATTATAC AACATTCTT GCATAAATTT ATTTTCTAA
57781 CACACATTTC TTTCATGACT TTCACAGACA ATTCTTCGAC ATGCCCTAAC TTTCTGACTT
57841 ATTGCAAACA TCCCTTTCTT TAAACAACTA GTTAATTAT CTCAGGACAA GGATTTCCA
57901 TACAACATTC TTTTTATAT AAATTCTGCC TCCTCTTTAT TTCCCTTTTT TTTTCCGAG
57961 GATGATAACC ATTCTTTCC AAAGCGAATC TCTTTATGT CTGTGGACTA GACTGTCTAA
58021 GGCCACAAGA TTAGAAGTTA CTATAATACA TGTTACACTG TTAACTTTA GCAAACCTTA
58081 CTTTTGTTGA AAACCTGTA AGTTGGGAT TTCAATTATC CTTGCTATT AATAAGACCT
58141 TATTTAGTCC AAATTAACTT AGAATTGGTA TAGATGGCTT TTTTTTTTT TTTAATTACC

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58201 TGGGAGGAAC CATCTATCCT CCTGTCCTGA AGGGAGTTCC TCCTAGGTCT GGTCAGAGCT
 58261 TTGTATGGTA ATTAAGATT AGATCCCCTG TAGGAAACC TGCCGGTTA AGAGAATT
 58321 CAGTGGTTAA TGTAAATCA TCTTCTTTT TCTTTTTTCC TTAGGATACT TCTGAACCGG
 58381 TGAGGTGTGC TCACAATGAG GTTCCCTGTA AAAGTTATT TTTTACTTC TTCTGTTAGC
 58441 AAAGCAGTTG CCGCTACAGA TTGAATGCAT TTGGGCCATC CGCGGGTTAC TGGGTTAAGG
 58501 ATTTTGATA GGAAGGCCTT AATGCTTTG GAATATGCC TGACAACAAA GTGCCAGTTC
 58561 CTTCCCGGTG TTCAGCCACT GCGTTGATCC TCCACGAGGG CCTGCCACGT GCTGCTCTGG
 58621 TGAGGCGTTC CACCGGGGCA ATTGCCTACC TGGGAGCGCT CTCCAGATCT GTGTCGCTCA
 58681 AACTGGCTGG AGTTCCCCGT AGGGATGCTC CACAGGGCAG GCCTAAGTCG CCTAAGGGC
 58741 TGCCCTGACC GTCCGTTAAT CACCTCTGTC TCCAAAAAC AGCTCCCTGA GTGAGCAATT
 58801 CCTGTCCCTT TTAAGGGCTT ACAACTCTAA GGGGGTCTGC ATGAGAGGGT CGTGATTGAT
 58861 TGAGCAAGCA GGGGGTACGT GACTGGGCT GCATGCATCA GTAATCAGAA CAGAACAGAA
 58921 CAGCACAGGG ATTTCACAA TGCTTTCCA TACAATGTCT GGAATCTATA GATAACATAA
 58981 CCTGTTAGGT CAAAGGTGA TCTTTAACCA GACCCAGGGT GCGGTGCCGG GCTGTTGCC
 59041 TGTGGATTTC ATTCTCCCT TTTAATTTC ACCTTTCTT TCTTTGGAGG CAGAAATTGG
 59101 GCATAAGACA ATATGAGGGG TGGTCTCCTC CCTTAATTAA AACAAAATT TCAAAGTCCT
 59161 ACCCCAAAGTA AATTGGCAA TATTAATAAA GTTATGGCAT AGAAAATAAA AATGATTGTA
 59221 AAAGGCGTAA AGATATTCT GTGGGGAAAA CATTGTTCA TTAGTTATCA GTTAAAATT
 59281 TGTAAAAAT AACCACTAGA GACCCTAAAG TACCCAGGG CTAATAATAA GAAGGGAGGA
 59341 ACACCCTCTC AGTCCCCACC GTTACCTCCC CAGAAGGGAA GAGGAAGAGG GTGACTCCAG
 59401 GAGAGCTGTG GTCTCCCTC CCCATATGTC CACATATACC TGACCTCCCC TCCCCAAAT
 59461 ATATAACCAA TATCTCTCCC ATATATACAT ATTATCTGA CCTCTCCACA TATGTATACC
 59521 TAAACTTTCT CTATATATCC ACATATACCT AACCTCTCA CACACATATA GCTGACCTCC
 59581 AGTGGAGGAA AATGGGGAAAG AGAGAAGAAG TTATCAAAGG ATAAATCTAG GTCATACTCA
 59641 GAAATGTGAA AAACAAAAAC CACACACAGA AAAAAGAAC ACACACAAAA AAGAAATTGA
 59701 TAAATTGTT TGTGTCAAA TTAAGAATT CGGTTCAATG AAGGATCCCC TGGATAAAAGT
 59761 TAAGACACTG CTGTAAGGAT GGTAGAGAAT TAAATGTCTG AATCAGACGA AAGGATGAGT
 59821 ATTAGAATG CACAAGGCCA AGAAGAACAA AACAGAAACT CCACATAAAA AATGTATGAG
 59881 GCCGGGCCG GTGGCTCATG CCAGTAATCC CAGCGCTTTG GGAGGCCAGG GCGGGCCGAT
 59941 CAGGAGTTG AGACCAAGGCT GGCCAAACATT GTGAAACCCC ATCTCTACAA AAAATACAA
 60001 AAATTAGCCG GGCGTGGTGG TGGGTGCCCTA TAATCCCAGC TACTTGGAG GCTGAGGCAG
 60061 GAGAATCACT TAAACTCAGG AGGCAGAGGT TGCACTGAGC TGAGATCACA CCATTGCACT
 60121 CCAGCCTGGG TGACAGTGTG AGACTCTGTC TCAAAAAAAA AAAAATTA TATATATATA
 60181 TATATATATA TATATATATA TATATATATA TGAAATAAT GAACAAGAAA TTTAGATACA
 60241 GGAAAATCCA AAGCACTTGG TAATGAAAGA AAGGTAAAGT GATGTGTCCT TTTGCATTAA
 60301 AAAGAGAGCA TTAACAAATT AGAGAGCTGA ATAATGCTCA GTATTGGTGT GGATATGGAG
 60361 ACTCAGGAAT CCTCATACAC TGCTGATGGG AGTCCCCACT CCCTGGGAAT ATTTTCCAAA
 60421 TATCATCTCA AACATATCCC ATAAAGGTGA CAGGAAAGTG TGGGCTGACT GATATCCTTC
 60481 ACTGAGAGAG GTGGAGGTAA AATGAAGTCA CTGCACAATA TAGAGTTGGA AGCAATGGAT
 60541 TAGATGTCCA CATAAGTACG TGGAAAGATC CGTAAGATAC ACACACACAC ACACACACAC
 60601 ACCTTTGTGT ATATTGTTCC TGGCAGGTAG GCATGGAGGT TTAGAGGCTT TCTACATCAC
 60661 ACCTACTGCA CACAGTAAAT GGCCAGGCTG AGCACTGACT TCCATGAAGG GAGATTGAAG
 60721 GTAAGAGATT GAAGATTGTT CCCTGGTCTG GGACCTGCA ACTGAATATG CAGAAAAAAG
 60781 TACACCCCG CACCCCGCTT CCCATCTTC CTACCTGATT AGAATAGCTT TTTCAGAAAA
 60841 CGTTGGCCAG GGGTTGTGGC TCACACCTGT AATCCCAGCA CTTTGGGAGG CTGAGGCAGG
 60901 CAGATCATCT GAGGTAGAA GTTCCAGACC AGCCTGGCCA ACATGGCAG ACCCCATCTC
 60961 TACTAAAAAT ATAAAAAATT AGCAGGGCAT GGTGGCACAC ACCTGTCACT CCAGCTACTC
 61021 GGGAGCCCTGA GGCAGGAGAC TCACTTGAAG CACAGTGTAG GAGGTTGAAG TTAGCTGAGA
 61081 TCTTGCCACT GCACTCCAGC CTGGACAACA GAGTGTGACT TTGTCTCAAC AACAAACAACA
 61141 AAACCCACCA AAACTTAAA TCTACCTATG GCCAAATGCC TGCTAAAATG AGCACCCAAAG
 61201 AAGCAGTGTT CAGGAAAGTC AGATGAATAC CCTAAAATT GATGCAATGT TGGCTGGTCA
 61261 CAGTGGCTCA GCCCCTGTAA TCCCAATCCT TCTTGGGAGG CCGAGGCAGAC AGATCGCTTA
 61321 AGCTCAGGAG ATCGAGACCA GTCTGGACAA CATGGTGAGA CCGTGTCTCT AAAAAAACGT
 61381 AAAAAATGA GCTGGGAGTG GTGGCCACA CCTGTAGTCC CAGCTACTCA GGAAGCTGAG

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61441 GTGGGAGGAT CTCTTGAAACC CAGAAGGCCGG AGACTGCAGT GAGCAGAGAT CATGCCACTA
 61501 CACCCCGAGCC TGGATGATAG AGCCAGACCC CCATCTCCAG AAAAAAAAAT AAAGAGAGAG
 61561 AGAGATGCAA TATTAGGGT TCAACAAGAC TGAACCTTCTG ACTCCTTCTC CTACCTCTCC
 61621 AGCATGTTAG ATTCTGGGTC CTTCATCTA ACCCCCTGT CATGCCATAG CCACCCCTGTG
 61681 GTACCAACTT TGGAAAGCCTG GATCTTCATC CCCTCATGAT AATGAGTGTGTC CCATTCAAGGT
 61741 CTCCATGCTC AGCTTGGCAA GAGTATCTGT CTTCTCCTCA TGGGACGGTC ACATTCAACCC
 61801 AGCACTGACA GGTTCCATTC CCACTAGGGT GGCCACCCAT ATGGCTCTGAG TCCAGGCCTT
 61861 CCTGGTCCCT CAGTAATCTC AGCATGGTAG CACAATCGAA AAGGGCTAGG CACGGCAGCA
 61921 CCATTTCCA CCAAGAGGTC TGATGGCTCA TCACATAGAC TGAAGGAGAT TCTGAAGAGC
 61981 AGAGGTGGAA TGAAGAATGA ATCCTGGGCT CTGCTCTTCC TAGGCTGTGTC TTCCTCTCTC
 62041 CCGAGATGTT AGCTAACTCA TGAGAGCCAG AAACCAACTG CAGGCTGGCC TCAGGCACCT
 62101 AGGTAGTGCT TCAGCCTCAG CAGTCCACAT TCTAGGAACC CTCATAATAT GGGTTGAAGT
 62161 ATGCATTCCC ACAAAAATAA AGTTGTGAA GTCTAACCA CCAGTACTGA AATGGGAAA
 62221 GTTCCCTTGT CCCGCTCGCA TGGCATGTGA TAGGAGTGTG GCTAAATTCT TCAGTGCCTG
 62281 GCTGCTCAA CCTCTAGGGG AACAGTAAGA CGGGCAGGTT GTGGGTCTCC AACCCCATGA
 62341 CCCCACCACA GTGTCTAGGG TTGAATGTT ACAGCTCTG AAGCCACAGT GGGTGTGTGT
 62401 TACAGGGTGC TCTTTAGTT TTGCCATTAA TAGGCAGCTG GTGTTAACCA ACTCAATTAG
 62461 ACCGTCTACC TTGTCCTCAAG GACAGAAGAA GGCTTCTGT ATCCCAGGTT CTTGCCCTGG
 62521 TGTACCGGAA TAAATCAGAC CACACCTGGG CTTAGAGAAA GAGTGAAGG TTTTATTAAG
 62581 TGGAGGTAGC TCTCAGCAGT TGGGCAAAGC CAAAAGTGGA TGGAGTGGGA AAGTTTCCC
 62641 TTGGAGTCAG CCACTCAGTG GCCCAGGCTC TCCGCAACC ACCCCAGTCA AATTCCGCCT
 62701 CATTTTGCCA GGCAAACGTT TGTTGTGTGC TCTTCTGCCA GTGTGCTCCC CTGGACGTC
 62761 AGCTATTCTGT GTCTTGTGGC AGGCCAGGGG AGGTCTTGGG AAATGCAACA TTTGGGCAGG
 62821 AAAACAAAAA TGCCGTGCTC CACCGTGGTC CCTGGGCACA GGCCTGGGG TGGAGCCCTA
 62881 GCCGGGGACC ACGCCCTTCC CTTCCCCACT TCCATATCAT TTAAAGGGAC CATGCCCTC
 62941 CCTTCCCAGC ACTTTCCCCC TCCTGTATCA GGACCTGTGA ATGTGGCCTT ATTTGGAAAT
 63001 AGGGTCTTG CACTTCATCA GTTAAGATAA GAGTGGGCTC TAACCCAACA TAAAGGGTGT
 63061 CCTTATAAAA AGGAGAAATG TCATACACAG AGACTGACAC CTATAGAGAG AAAATGTGGT
 63121 GAGTAGACAC AGGGAGAAC ACCATTCAGA TCAAGCAATG AGTCTGGGA TACCAAGAC
 63181 TGGGAGAGAA ACCTGGAACA GATTATCCCT CATTGCCCTC AGAAGGAATC AAACCTGATG
 63241 ATACTTTGAT TTCAGACTTC CAGCTTCCAG GACTGTGTGA CGATAAAATAT CTGTTGTTAA
 63301 GCCAACAAAGT TTGAGGTACT TTGTTACTGC AGCCCCAGAA AACTAAATACA GTAGGTACTA
 63361 TGGACTGAAT TGTGACTCCC CGTCGCAAAA TTCATATGTT GAAACCTAA CCCCCAGTGT
 63421 GATGGTACTT GGAGCTGGGG CGTTTGGAA GTCATTATAT TTAGACAAAC TCATCAGGAT
 63481 GTGTCTCTCA TGATGAAATT CATGCCCTTA TTAAAAGAGA CAACAGGCCA GGTGCAGTGG
 63541 CTCATGCTG TAATCCCAGC ACTTTGGGAG GCTGAGGTGG ATGGATCACC TGAGGTTGG
 63601 AGTTTGAGAC CAGCCTGGCC AACATGGTAA AACCCCATGT CTACTAAAAA TACAAAAAATT
 63661 GGCCAGGTGT GGTGGTGCAC GCTTGTACTC CCAGCTACTT GGGAGGCTGA GGCAGGAGAA
 63721 TCCCTTGAAC CCAGGAGGTG GAAGTTGCAG TGAGATCACA CCACTGTACT CTAGCCTGG
 63781 TGATAGAGAC TCCATCTCAA AAAAAAAA AAAAAAAGAC AATAGAGCCA GGTGCTGCAG
 63841 CTGATGCCCTG TAATTCCAAC ACTATGAGAG GCTGAAGCAG GAGGCTCGCT TTAGCCCAGG
 63901 AGTTCAAGAC CAGCTTGGAC AAAATAGTGA GACCCCCAAC TTCTAAAAAT TTAAAAAATG
 63961 AACTGGGTGT GGTGGTACAC ATCTGAGGCT CCAGCTACTC TGGAGGCTGA GGTGGGAGGA
 64021 TTGCTTGAGC CCAGGAGGAG GCTGCAGTGA GCCATTGCTG TCCAGCTGG GCTACACGAG
 64081 AACCTGCTC GGGAAAAGGA GAAAACAGTG AGACCTCTT TTCTCTCTC CTCTCTCTCCA
 64141 CTGCTTAAGC CCTACAAGCA CAAAAAGGAC ACCACATGAG CACATAGTGA GAATGCTGCT
 64201 GCCACCAACA AGTCAGGAAG AGAGCGTTCA CCTAGAAACT GAATTGCCA GCACCTGGAT
 64261 CTTGGACTTC TGAGCTTCCA GAACTGTGAG AAAGTTATTT TTTTTTGTAGC GACTAAGTCT
 64321 ATAGTATTT ATTACAGCAG CTCAAGGTAA CTAACATAGT AGAAGGGATG AATTATGGAG
 64381 ATCACAAGTC CACGCCCTCA GAAAAAGACT TCCCTAAAAA TTAGTCTGAG CAAAATTGCA
 64441 ATGATGAATT ATTTTAAGA ACTTTAAGG GATCTGACAA GTTGCAAGA GCTAGAGAAT
 64501 GCTTTACAAC GTGATAATAG AATGCTCTGT GATGACAGAA ATCTTCCAC ACTGTTCAA
 64561 ACTAGCTACT GGCCACTTGT GACTATTGTG CACTTGAAAT GTGACTGGTG TCTGAGGAGC
 64621 AGAATGTTA ATTTACTTA ATTTAATTC ATTACAATAG CTACATGTAG CTAGGGCTA

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64681 CTGGATTGAA CAGCACAGCT CGAGTCCTTT AGAGGGAGAC AGGACTCACC AAGGTGGATG
 64741 CTGGTGGCCA AGCAGCAATG GCAGGGTAGTA CACACACAAG AGGCAGATGA TACAACACAT
 64801 CCTTCCCCAA CCTGGAGATA AGCTCACCCC ACAATCCCGC CGCTGAAATA GAGTTGATGT
 64861 TACCAATGTG CATTTTATG TCCTTTCCA TACAGAAAGA TCATTCAACA AGTACTATGG
 64921 TACTTAAAAA ACAACATTCA ATTCAATTATT ATGACAAAAT TAAATTAAATA GCTCTTCCTT
 64981 AAACCTTAA ATTCAATTCA CAATGCTTAC TATTGGCATT TATTAATCTA CCAATTTC
 65041 CCCATAGAAC CCATAGAAC AATAATCTAC CAAATTTC ACATTCAATT TTGGCAAGGC
 65101 TTTTGCAATT TGACGAACCT TAAGAAGAAA ACTTATAAAAT TGCAATTTC AAATCTGACA
 65161 TACTGGACTT TTAAAGTATC CAATTGACTA ATGAACAAAAT CTGCTCCAAA TTTTC
 65221 CTTAAAATC TTAAGACAA ACTTAATATG GCAAATCTTA ACTTCTTAACTT CTTTGTAAGA
 65281 ATGCTAATCA ACTTAGATTG GTATAAAGTT GAGTTAAAAA TCACAGGATA CATCATCTCA
 65341 GCTATAAGTT TTCATGAGTT GAGTTTTAC AATCACTTGA AATGCTTAGA ATAGGAAATA
 65401 CGTATAAATT ATTTAACATA AAATATTGTT ACAAAACCTC TGGAGTGTCA GTTCTCTGG
 65461 CCAGACTTTA TGCTGCAGCA CCTTGCCTG AGTCTTGTC CTGCATCCAG GAAGAATTAG
 65521 GTACAGAGGC AAGAGTCAG AAGATTAGTT TTCCAATAGT TCAGCTCACC TAGTTAAC
 65581 CTGTTCACAA TCTTCAAAGT TATCAGAAC CTGCAATTGA GGGTTATAAT CCATTCTTG
 65641 CAGAGTTCA AAACAAGACA ACATTTGTCT ATGAATGTTA AAATGTCCTA GGGTAGTCAC
 65701 AGTCAAAAC ACAATTGACA AAGAAATTAA GTCACCTCTG TGATTACAA TAGCCTAAC
 65761 CAATAACTCT ATTATAACT GATGACACAA ACTCAGATAT CAGAACTCTA GAAATCCCCT
 65821 ATAATTGTTG AACACATATT CACAGTTTC ACTGAAATAT GACCTGAAGA TCAAATATCA
 65881 CCTTATTTCACAA ACAATCCTAT ATAACAAAC GTGCAAATG ATCCTGTTA CCTCTCCTT
 65941 GGATACTCCA GGGGCCCTCT GTAGCATCCA AAAGTTAGGG GTTAGCAAAG ACAATTTC
 66001 AGCTGTAAAG GCTAAAACA CTTAATGAAC CTCTAGTCAT ATCTGTTCTC TACTCACTAA
 66061 ATGCTAGTAG CACCTCTCAG TTGTGGCTAA GCTGGGAGGA TCTCTTGAGC CTAGAAGTT
 66121 GGGGACGCAG TGAGCTATGA TTATGCCACT GCACCTCCAGC CTGGCAACA ATGCAA
 66181 CTGCTCAAA AACAAAAACA AAAACAAAT TGCCATGCT GTGGTTATCT CACAATTAA
 66241 AAAAAGGAAA AAAAAGTAT GCAGTCTTG TAGTCCTTG GGGTTGTTG GAACTCAGAA
 66301 AACAAATACCC CAAAATAAG ACCGCAGAAG CCAAAGTTT TCTCTGATCT TCTCTGCC
 66361 TCCGTCTCT GAGTCCCATT CTCCCCGGAG TCTAGCCATA GAAATGAGAA TTCTCTTCC
 66421 TCAAGTTAGG TCATAGAAAT CAAAACACCT TTTCCCAGA GCCCAGCCAT AAAACCTAA
 66481 AATATTACTC TAACTTTCCC TCTGTTTTC TGTGTAAAAA CTGGCCATAA AGAAATTATC
 66541 TGAACCTACCT TATTGATCA TAGATCACCA GACCGCATTG CAGAGAGGAT CCAGAAGGAA
 66601 GGAATGCTGC ACAGAGAGGC CAAGAAGAAT CTAGACAGAC AGGCCTTGCT GGGTTCC
 66661 ACTCTGTTA TTAGCAATCC TATTCTACA CGCGGGCCCA TACTTTGTTG AATCTAAAAA
 66721 ATAAAAATGG ACAATTCCC CTGTACATGT TAATACACAT TAATAAATTG GATATAAATT
 66781 GGATAATTAA TTAATATACA CATTAATAA TTGGATGCAG CCGGGTGCAA TGGCTCAC
 66841 CTGTAATCCC AGCACTTGG GAGCTGAGGC GGGCAGACCA CGAGCTCAAG ACCACCC
 66901 CCGAAATGGT GAAACCCCGT CTCTATTAAA AATACAAAAG TTAGCTGGC GTGGTGGC
 66961 ATGCCTGTAG TCCCAGCTAC TGGGGAGGCT GAGGCAGGAG AATTGCTTGA ACTCGGGAG
 67021 CGGAGGTTGC AGTGAGCCGA GATTGCGCCA CTGCACTCCA GCCTGGTGC AGAGTGAGAC
 67081 TCCGTCTAAA AATAATAATA ATAATAATAA TAATAATAAT AATAATAATA ATAAATTGGA
 67141 TGCATTTTAT CCTATTAAATC TTCTCTTGT CGGTGGTTT CAGCGACTCT TCAGAGGCC
 67201 AAGAGTAAGT TTTCCCTTAG CCCCTACAGG TTCTTATGTT TAATTGTTA CTCTCATT
 67261 AGACATAATT AAAGTGGCTT CTCCATGAAG ATTATTCTG CATCCATTAT TTGGTAAGAT
 67321 TGGCCGTTT CTCCTTGAT CTCTACTCTA CACTGACCCA CATAAAACAT CACTGCCTGT
 67381 TTTTTGTTG TTGTTGTTG GAGACGGAGT CTTGCTCTGT TGCCCAGGCT GGAGTGCAGT
 67441 GGTGTGATCT CCGCTCACTG CAAGCTCCGC CTCCCGGATT CACGCCATT CTCCTGCCT
 67501 GCCTCCTGAG CAGCTGGAC TACAGGCACC CACCACCAAG CCCGGCTAAT TTTGTAT
 67561 TTAGTAGATA CGGGGTTTCA CTTTGTAAAC CAGGATGGTC TCGATCTCCT GACCTCGT
 67621 TCGGCCCCGCC TCAGCCTCCC AAAGTGTGG GATTACAGGA GTGAGCCACT GCGCCCG
 67681 CCGTTTTTTT TTTTTGGTT TTTGCATGTC TTCTCCCTT TACTGTAAAC TATTTC
 67741 ACCAGCGTAG TTATCATTTC TACTGCTTAA TAATTGTTT GGGGAAGTGA ATGCATCAAC
 67801 CCACATGAAT TTCTGTCTA TTTGACAATT TATTCTCTT AGGAATAGTA TTAACCTCA
 67861 AGGTCCCTGGG AGCCAGTCTC TGTACTTGGC TGCTCCAGGG TCCTACTTCA GTTCCCAGC

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67921 TTCTCAGTAC TGTCACTGTC AATTGTGGGT AATAATTATT TTTGCCACC AAAAGACTCT
 67981 GTATGTGAAT GAGTTTGAA ATCTGCTGAG TAATACAGTG TCAACCCAGT TAATGATTG
 68041 CCGGGCGGCT TGATCAGGGG CTGTCCAATC ACCGGCATTT TGATTTGGAG CGTCATCTAG
 68101 TGTCTGAAAG CACAAACAAC ATCCTACATT GTAAATGCCT TTGGCTACAG AGATTGAAAC
 68161 CAAAGCAAAC CTATGTTTG AATTGTTATT CTTCAGCAGT TCTGCTAGCC TTGAAAATC
 68221 TAAAAGTAA AAAAAAGCTT TATATTTCAT TTTCTGCCTA AACTCTTAA AATTGCTAGT
 68281 TGACAATTAG ATATTTCAA TTTAATGAAA TTTTTTTTA GTTCACAGAT TAATACACAA
 68341 TGGGGGAGGG TTCTTATTCT GTTGGACTTT TACATAACCT CCACTTTAGT GCAGTCTGCT
 68401 TTATGGGTC TTGTTGAGG TGTGTGTG TTTAAGGGAA TGTGGTTAC AATCAAATA
 68461 TTGGGTTGCT CTTAGGCACA TTGTAAAGTC ACACACCTGT ATTCTTATTG ATACATAATG
 68521 ATTAATAACA TTATTATTAC AGCCTGATCA CCATCATTAT TGATATATCT AAATAATGAA
 68581 TTTTATAATT TTGCTTCCTG TCAGGCAGA GCCAATTCA GTGCTACCAT GTTTGTATAG
 68641 CAGTATTATC GTCTGTCATC CTCAGTCATT TTACTTCACT TGTCTTAGC CAAACGGCCG
 68701 AGAACGATG GTCATTTAC TTCAAAATG AAAAGAATTIA ATATTTTAC GTTTCCCTTA
 68761 AAGACCCAT TTTAACCTC CACTCCGGG TAAAATGGTC TAGTCCCTCC TTTTCATATC
 68821 ATCTCTGATA TCTTTGCAC AGCCACTATT ACCTACCGTT TTCTAGATCC CTATTCTTC
 68881 AACACCACCA TGAAGGTAGA GCCTGTCGA ATTATTTCT TGTCCCAGTGA ACTCAGTACA
 68941 TTGTTAGGCT TCTGAAAGAT GTTGATCAGT TGTGTTGTGGA GTGAATGAAT CAGCTAGCAT
 69001 GATTTTCTA GACCACTGAG ACAAGTGTCT AAGACACTTG TTCCCTTCCA TGTTCCTGCC
 69061 TGCCGTGCA ATCCATGCA TCTCATGGCT TCCCAGTGCC TCAGAATTAT CCCCTGTCAA
 69121 ACAGGCATTA TAATTTCTGT CCACTGAAAA GGACAAAAAA CTAAGTGTAT AGCTAGAAGT
 69181 TAAAATAC CGGCCAGGTA CTGTTGCTCA CTCCCTGTTAT TCCAACATTT TGGGAGGCTG
 69241 AGGCAGGGCAG ATCACCTGAG GTCAGGAATT CGATACCAGG CTGGCTAACAA TGGCGACCC
 69301 GTCTCTATCA AAAATGTAAA AGTTAGCCAG GTGTGGTGGC TCGCACCTGT GGGCCCCAGCT
 69361 ACTCAGGAGG CTGAGGCAGG AGGATCGTTT GAGCCCTGGA GGTTGAGGCT GCAGAAAAAT
 69421 AGGAATATAC TCTCTTCAA GAGTTCGTGG TTTTGACTGC CACCTAGCGT ACATCAGAAA
 69481 AACCGCATGA CATAGGAAAT GCCTGTGACA GAGGGGTAAG GTGAGAGAGG TTGATGAAGA
 69541 ATGTATTGAA GGAGTAAAAA CGCTTCCATC CCTCTACTTA CTAAATATAT TAGTTAAGTA
 69601 GTTGGGGCAT ATTTTAATTG ATGCATTGG TAGATAGAAA AACAAAAGTT TTATTCTGTT
 69661 TGATTTAGTT GATACTTTAA TATGTGTG TGTTAGGATGC ATGATTCTAT ATCAGTCTGC
 69721 AGCACTTCTT GGAGAAGTCT GAATTCTCAT TCTCCATTTC CTTATTGGCA ACGTGAGAAT
 69781 GATTACAATG GTGGTTGTCT CATAGAATGC AGGGAGTCAG AATGAAAATA GTCCATATAAA
 69841 TGCCCTGGTGC AGAGGAAGGG TTCAGTTAAC TGTCTGTATT AATATTACTG ATAACAGTCA
 69901 TGACAAACAA AAGCTTAACA ACAACACCAC CAACAACAGT TGCAGAATTG AGCCACCAAT
 69961 TTGCACACAA GATTGTAGGT AGGATTTTT AGAAAAGTTA TTATTAAATA TATGTATATA
 70021 TTTTGTACT TAAAATATGT CAGAGGTGT TCTAAGAACT ATTTAAATGT TAACTCCTTA
 70081 ATCCTCATAA TGACCCATGA AACAGGTAGG CTTATTATTG TCTCTTACA TGTGAGAACAA
 70141 CTGAGACACG AAAAGTTTA TTAACTCACC CAAAGTCACA CAGCTGGTAA AACGGCAAAA
 70201 TTGAATTGAA ACTCAGACAT TCCAGGTCC AAGACAGTCT AATTATTCTT TTGACTAATA
 70261 TACTAAGCTG CCTCTGTATT TTTCTTGAT TACTTTGTAA AAGTATGAGG AAAATATAAG
 70321 TGCTTCAAGT AACCATGAAA AATATAAACAA ATCTATGTAT CAACTGAAGC ATAATTACAA
 70381 ATCCTTGAT AAGCAAACAT AATAAAATT TGATATCAAT CAAAACCTTC ATGTAATGTA
 70441 AGCAGGTTGA GATGAATTCT ATAGAAAAA AGTGCAGAGT GCTGGAATAC CATGCTCCTA
 70501 ATATATTGGC TAGGCACACC TGCCTGCTAT CAAAGGTATG CACACACCTT GGATACAGAA
 70561 AGTTGGACT GGGTAGTTAT GTGAGTGTCA TCAGAATTCT TTCCCACCTG GGAAAGAATT
 70621 GTCCATCATA AGCTTGGATG ATGGACAAGG AGTGCAGCTCC CAGAACAGTG ATGTGGGGAT
 70681 ACATCCTCAC ATCACAGTGA GAATGAGTGT TCTAGACTGT TTACACACCT ACCACTCCTA
 70741 AATGCACACA TATAATTGCT TGCACACACA CACATACACA CTCATCTCTT CTCTGGTGGT
 70801 CCAGCTCTAT CTCTTATCAT TAGGCTCTT GGGCTAGTA CCTAGGGCCT GTATCCTTTC
 70861 AGAGGCAGCT AAGGGAAAGCA CACATAATTAA GAAAGAATGA ACCAGCTGT TGGATTTGGT
 70921 CTCTTCGCAT CCAGCCCTCC AAGTTAAGGA GAGTACCATC TTTCTTAGGG TCACCAAAGG
 70981 AAAAAAAAAA AAAAGAAAGA AACAGAAAGGA TATCATACAG CAAGGATCTA ATGCAAATAT
 71041 GCCTCAAATG AGAGGCTACT GTGTGCTGAT CCCAATCCCA GGAACGTAT GCACATTATC
 71101 TAATTTAACAT CTCACTGTAT TTCTGGAGT ATTATTCCCA TTTTACAGAG AAGGAACCTG

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71161 GCAGGGTAAC CAAGCTCATG AATGGAGAAA CTGGGATTAA ATATAAAGCT TCCTTGCTCC
 71221 AGAACTGCTG TCTTTCTGCT CTTCCACACT ACCAGCTCAG CTGTGCTCTC TACATGCAGG
 71281 CAGTTTACA AGTTTCAGAT TAGCCTGGGA CTTCAGGGT TTTGAATGGG TTAGGGAATG
 71341 GGGAACTTT GGGTTTACTT TCCATTTTT CTTCATAACAT ATGTAATATA TAACATAAAAT
 71401 CTATGGTATA TATGATAAAAT ATATGGCTAC ATATGAACTA TATAATCACA TATATGCATT
 71461 ATAATAAAAT ATTAAATTAA TAATATTAA AAGGTTATCA AATAAATATT AATATAAATA
 71521 ATTAAATAAT TAATACTCAG CTTGTTTC CAAAGTGATA AATGCCATA TTTAGCAAA
 71581 TATTTTTGAGGCTGATA GTTTTAGGA GTGTAAGAA GTCCGTATCT CAAATGTT
 71641 AAGAACCACT ATTTTAGGCT GTTGTCTCT GTCTTATTAA CCCAGCTAGA CTGGTAAATA
 71701 CTTGAAGGCA AACGTTAGC CAGCACATTA ACATTTATC TTTTATTCT TTGTCGCTCT
 71761 CAGTGGCTGT GTCTTTCTA TCGATTCTC ACACTGTATG ATGGTTATAT TTGTCGCTAT
 71821 CTGTCCCACC AGGTATAAGT TCTTGAGAGG ACACACTGCT AGGCTGATCT TAGTTTTAT
 71881 TATTTCTCCT GGTGTCTGT GCTTAACAAG TGCTCATTAA GTGTGTAAAA ACACAGCACA
 71941 GTAAAAAACT AGACATTA AAATAATGTC AACCAATCTA TTGAAATTG CATTTCATG
 72001 TTTCTTCAA TATAGTCATT GTGTCAGGTT ATGTAATTAT TCTGATGAAG ACTATTGCCT
 72061 AATATACGTT TGCATCTGT GCTTATAAC TGCTTCTATA TAGACACAGA TTGAGAAGGT
 72121 GTAAAAATGT GCATATCCTC ACAATTGACA AATTCTTATC CTTTGAGGGT AGGTTTGACT
 72181 TTCTGAAATG CTTGACATC ATTTGAAAGA AGCTTGAAGA ATAAGATAGC TGTAAATGAC
 72241 CCAGTTCCCT ATGTCACTTA TACAATTATA ATGGCAATT CAAATGTTA GGTAAATATA
 72301 TTTTGCAATA TATTGTTCT TTTGTAATAC TCTCTATGTA TTTATTATA TTTTAAATT
 72361 TTATATTAT GTATTATTAA TTCTGGACAG AGTCTTGCTC TGTTGCCAG GTTAGAGTGA
 72421 AGTGTGTGA TCATAGCTCT CTGCAACTTC AACTGCTGG GCAAAAGTGA TCCTCCTGCC
 72481 TCAGCCTCAT GAGTAGAGTA GCGGGAACTA CAGGCGCATG CCACTGCACC CAGCTAATCA
 72541 CTATTTATTA TGCTCCTACT GTGTGCTTTA GTATATTTC TGTTGTTTC TGCAACCCAT
 72601 TTTGAGGGCG TGTAGGGAA TACAGATGCA GTAACCTTGG TCTCAGCCCT TGAGGTGAGG
 72661 AAATATTAG CCTCAGGTTT AATCTAATTG TTGGCCATTG GCCTCAAAG ATTGAAATAT
 72721 GAGCAAAACT GTGGCTCTGG GTTATATGTT AAAAAGT TTATGGGCT GAAGCCAGGC
 72781 AACAGACAAG AGCCCCTACA ATCTTATTAA GGCTGAAAAT ATCCTGGAGT CCCTGTATTG
 72841 TTGGTCTCAA GCAGATAGCA ACACAAACAC TTACTCTTG AGGCAGGCAC TGCCAGTGGG
 72901 GTGGCTGTTA TTATTAGCTT CATTAATTGG TGAGTCAGGA AAAAACAGCT TAAATCATT
 72961 CAAAGTTCTG GCCTATACAG GATTAGTAA TATTAGGTTA GCTACATCCA AAAGATGACA
 73021 GAACCTACT CTAAGGCTGG GCTTGGTGGT TCACACCTAT AATCTAAAAA CTTTGGGAGG
 73081 CTGAGGCAGG AGGATCACTT GGTGCCAAGA GTTGAGACC AGCCTGAGCA ACATAGTGAG
 73141 ACCCTGTCT CTATCAAAAAA CAAAGAACTC TAATTGGCAT AGTAGAAGGA AAAAGTGA
 73201 GAAAACCAG CTGTCACCC CATTCTTAC ACCTGTCCTA ACAACTCCTC TCACTATCCT
 73261 TTGAATATAT CTTGGCTGTT TGAGTCTCTC TCTAGCCCCA TTACTGCTGT TTGGACTTGA
 73321 CATTGTC TGCATTTTA ACTTTCTAC CAGGGTTCC AGACCTGAA GAGTGTGGCA
 73381 TGAAACAAAAA CTAGTCACCC TATAATATTG ATGATGTGTG TGAAATAAA AGAATACACA
 73441 ATATATTGCA TTACAATATT TTAACTGTTG CCTCAATTG TTTGTGGCTT TCTTGAGGAC
 73501 ATCAGTTTG GGTGGGACGA CCACATCCTT AATCTGAACCT TTCCCTGGA GGTCAATTCT
 73561 TTTTTTTGAA AATAGAGTCT CGCTCTGTCA CCCAGGCTGG AGTGCAGTGG CGCAATCTCA
 73621 GCTCACTGCA ACGTCCGCCT CCTGGGTTCA AGTGATTCTC CTGCTCAGC CTTCCAAGTA
 73681 GCTGGGATTA CAGATGCACG CCACCATGCC GAGCTAATT TTGTATTAA AGAAGAGACG
 73741 GAATTCACC ATGTTGGTCA GGCTGGTCTT AAACCTCTGA CCTCATGATC TGCCACCTC
 73801 AGCCTCTAA AGTGTGGGA TTACAGGCAG GAGCCACCCC GCCCGGCCAG AGGTCAATTCT
 73861 AATAGACTTT TTTTTGTTG TTGTCACAG GCTTGTCAA TCTTATTCA AAATTTGAGA
 73921 AATACAGTTT CCATGGAACA CCAACCAGAT ATCAGGTTGC TATGGAGTTG ATAGTAAAAA
 73981 GCTTGTATC TTCCAGTTT TCAGAATGGC TTCTAAAGGT TCTGATTCAG AGCTCTTAGG
 74041 CGAAATTGAA CAACCAAGTG TCAAAGTACA ACATTCAGGA AGTTAAAAC ATGACTGACA
 74101 TATATGTAAT ATATATAGTG AGCTTGTGTA TGTGTCATG AATGATTAA TTCATTAATG
 74161 AAGGAGGAAG CAGAATCACA ATTAGGTCAA AGGAAGATAC GGGAGAATAA AATATGTATT
 74221 TGGTCAGGGAA AAGGATGTAT ACTGGAAGAG GAAGGGAAA TCAGATATAA AGTTGTTAA
 74281 TGACTTATTA GGCAATACAA TAATAACTTT TAGGGTCATT TTTCTATAT TAAGAATTCA
 74341 TTTCCATCTC TATGACAAAAA TCCTTATTAA TTTATTAAAC TTCTACAAGT GAATGTTAC

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74401 TTTTAGATAG TCTGGACCCA ATAAAATGTA AACATTAAGT CAGAGTTACT TTCACGTAGG
74461 ACAGTGTGT CCAATAAGGT ACCACTAGCT ACACGTGATC ATTGACCATT TGGACTATAG
74521 CTAGACTGAT TTAAAATGTT CTAAAAGTGT AAAATACACA CCAGGTTCTG AAGATTTATC
74581 ATTTAAAAAA GAATGTCAAC TGTCTTTTT TTTAGCTTAT TTATTATATG TTGAAGTGAT
74641 AATAGTTAG ATATATTAAG TTAAATAAAAA TATCTTAAAAA TTAATTTCAC TTGTTTCTTT
74701 TCATTCTTC AATGTGACCA CTAGAAATCT GGAAAGTATT TATGTGATTC ACATTCTATT
74761 TTACTGTCTA GTATTGCCTT ACATCATCAG GTACCCCCATA AGTAGGCTTT TTAGATAATT
74821 CTCTAATATA GCTTGGAAAGG ATATGGAGAA ATATTTTGC GTTGCTTTA AGTTTTGCAT
74881 AACCTTTCA ACACACTTTA TAAAGGATCT AGAAAAGGGT TGTTACATG TTTCTCTGTC
74941 TTCTGGCCTC CACCATGTTG CCAGGAGGTT GGGGACAAGA TTCTGGGTGG CTGGATGTCC
75001 TAATGGCTTG AGGTCTGGAC TTGAGATTTG CATATAAAGA GATGTGATTA GATTGAGTCG
75061 ACTAGAAAAA TCATATTAGA GAACTGAATC ACAGCGATTA AATTTACATG TCGATTTATA
75121 AACCAAGGACA CCAATTTATA GTGAAAGAAG GTCCAGTTAC CTGGTAATCA AGACGTTCA
75181 TAGCTATTT CATGATGGAT ATACTTAGCT GAGTTTTAAA TGAGAAGGGG GTTCATTGCA
75241 CATAGAATAA GATCTAAGTG AAATGTTAT TTATTTTTT TTTTTTTGAT CATGGAGTC
75301 TGCTCTGTTG CCCAGGCTGG AGTGCATGA GGCAATCTCG GCTTCTGGAG TGCAATGAGG
75361 CAATCTCGGC TTCTGGAGTG CAACGAGGCA ATCTCGGCTC ACTGCAACCT CCACCTCCCG
75421 GGTCAAATG ATTCTCCTGC CTCAGTTCC TGAGTAGCTG GGATTAGAGT TGCCCTGCCAC
75481 CACGCCAGGC TAATTTTTGT ATTTTTTTA GTAGAGATGG GGTTCACCA TGCTGGCCAG
75541 GCTGGTCTCG AACCTCTGAC CTCAGGCAT CTGCCCGCCT CAGCCTCCCA AAGTGTAGG
75601 ATTACAGGGC TGAGCCACCA AGCCTGGCCT AAGTGACATG TTCTTATATT GTTCTTTCT
75661 TTCTTTTTT TTGACTGAG TCTCACCTG TTGCACAGGC TGGAGTGCAG TGGCGTCATT
75721 TCGGCTCATT GCAACCTCTG CTTCCCCGGT TCAAGCGATT CCCTTGCCTC AGCCTCCTGA
75781 GTGCCACAC CCCAGCTAA TTTTGTTACT TTTAGTAGAG ATGGTGTTC ACCATGTCCG
75841 CTAGGCTGAT CTCAAACCTCC TGGCCTCAGG TGATCCGCC CCGAGTCTCC CAAAGTGTCA
75901 GGATTACAGG CGTGGGCCAC GGGGCCAGC CTTATATTAT TTCTTTTACT ACAATATATT
75961 AGTATGATGC AGGTGTTCA ATTGTTATA CACTTTCCAT AATTTGTAT AATTCTTATA
76021 CCCTGTCACT CTGAGGAATA GCCGGTCTAA GTGTTTTCC ACCACTGCTA ATTCACTCCAT
76081 CACTAATCTC ATTAGACTGT TAATTCCCAG AGGACATAAG CACACAAGCA GACAATGTTT
76141 ACAAAATGTT GACAAATGTT ATTTAATAAA ACAATGGGGT CACCCTTAGT CTAAAAGATG
76201 TTTCACTTTT CATTGTCAT TGAECTCTA TTTGTAGGTT CCCTTTGAC TTTCCCACAA
76261 TCTAAGGCTG TTCTCTTAA CACATATTAT CATGAAAACA TATATTGAG CAGAAATTGT
76321 TGGGGAGTTG TAATATTACC TTTGTCCCTA AATATGAATC TATAATTATA TCAAATATAT
76381 GGGCAGACAA TTTACTTTGC CTTTAATCTC AAGAAAAAAA TAGCAATTAC TTGGGGTCGG
76441 AGAGTAAAAT AAGAAGTAGT GAACCTTAA GTAGCAAAC TTAGAACAGA ATAGTTTCAG
76501 AGGGGATGAG AAGAGGTGAT TTTTCAGCTC ATCAACAACA GATCTTATAA TAAATTACAT
76561 GTTCTGGTAC TTTCTTGTC TTTCTGTGTT AAATTTGCT ATTTAAAAAA ATAATTTCA
76621 AATACATTGT TCATCTTAA AGTCAAGAGT GTGTTTTATT AAAGTCAGTT GCTTTATTG
76681 CAACTAAAAA GATATATTG AGTCCCCAAC TGGAGATTGT CCTATATGGT AACTGCGTA
76741 AGGTATGGTT ACTGAAAGTA ACCTACAATT TTCAATGGCT GAAATTCTATT TCTATATTGC
76801 AGCGTACAAA AATAAATAAA TAAAAATGC TTGTTTTCTT TGAAAACATA TTATCTCAGT
76861 GCCTCTAACT GCCAAATCTA TTGGCTTTT TGCAAGGCTTA AGGGCTCTCC CTGTTCTCCT
76921 TATGATCTCT ATCTTGAGGG CCAGACCTCC TGCCTTACAC AACTCAGAGG GGGACCTCAG
76981 AGCTCTTAA AAAGAGCCCCA ATTTCTCGCC TGTAGAGAAG TGAAAAGGAT GCCCCACCCC
77041 CATCTATGAA AAGAGGGATT TGATAGTTTC AATGTCTTC AATCAAAGAT TTAAGTCTGT
77101 AGCCCCCCCAC CACCCCGGAC CCTAGCAAGG CTCATGAACC CCCTCCCATC CCGCCCTAAT
77161 TGCTTGAC TGGCGTGGA ATCCTGTCC CAGCCACAG TTCCCTGTGCG ACTGCACGAA
77221 GAATTCACAG AGGACCTGTG TTACTCCCT TGTGAAGAAA CAGAATTATC ATGAAAATT
77281 AGGTGGAAAC CATTTCGCTT TTTTCTTCAT AAATAAGGGA AGCATGTGCC CAACCACCCC
77341 TGGGAAAAAG AACCTTCAGG GGCAAAGGAG CGAACAGGTA ATTTATAAGA AAAACAGAAA
77401 GTGGTCTCTG ACTGCCCTCAG ACTTCCTTCG GAGTTGGGGG AATTGGGGAC GCCTGGACGC
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77521 CCTTCCTGA CCAAACCCAA GTGATTGGT GCGGGGAATT TTAATATT TCCCCTTTG
77581 TGAGGTGGAA CAAACACAAC TTGGGAGCAG CGCAGCGGCT CAGAGCCTGC CAGCCAGGCG

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77641 GGCGACCAGA GCACCAATCA GAGCGCCCT GCGCTCTATA TATACAGCGG CCCTGCCAG
 77701 ACGCTGCTTC ATCGGCCTT TGCCACTTGT ACCCGAGTTT TTGATTCTCA ACATGTCCGA
 77761 GACTGCTCCT GCCGCTCCCG CTGCCCGCC TCCCGGGAG AAGGCCCTG TAAAGAAGAA
 77821 GGCGGCCAAA AAGGCTGGGG GTACGCCTCG TAAGGCCTCC GGTCCCCCGG TGTCAAGAGCT
 77881 CATCACCAAG GCTGTGGCCG CCTCTAAAGA CGTAGCGGA GTTTCTCTGG CTGCTCTGAA
 77941 AAAAGCGTTG GCTGCCGCCG GCTATGATGT GGAGAAAAAC AACAGCCGTA TCAAACCTTGG
 78001 TCTCAAGAGC CTGGTGAGCA AGGGCACTCT GGTGCAAACG AAAGGCACCG GTGCTTCTGG
 78061 CTCCTTTAAA CTCACAAGA AGGCAGCCTC CGGGGAAGCC AAGCCCAAGG TAAAAAAGGC
 78121 GGGCGGAACC AACCTAAGA AGCCAGTTGG GGCAGCCAAG AAGCCCAAGA AGGCCGGCTGG
 78181 CGGCGCAACT CGAAGAAGA GCGCTAAGAA AACACCGAAG AAAGCGAAGA AGCCGGCCGC
 78241 GGCCACTGTA ACCAAGAAAG TGGCTAAGAG CCCAAAGAAG GCCAAGGTTG CGAAGCCAA
 78301 GAAAGCTGCC AAAAGTGCTG CTAAGGCTGT GAAGCGAAG GCCGCTAACG CCAAGGTTGT
 78361 CAAGCCTAAG AAGCGGGCGC CCAAGAAGAA ATAGGCGAAC GCCTACTTCT AAAACCCAAA
 78421 AGGCTCTTT CAGAGCCACC ACTGATCTCA ATAAAAGAGC TGGATAATTCTTTACTATC
 78481 TGCCCTTTCT TGTCTGCCG TGTTACTTAA GGTTAGTCGT ATGGGAGTTA CTGAGGTTATC
 78541 AGAGACGAAT TGGGTGACGG GGTTGGAGAG TGCCCGTGGT GAGGTTACAG CATTAAACCC
 78601 TTTATTGCGG CTTCTAGGTC CCTGACCGGA GGCTTTCTC GCTGGCGGAT GGTTTGGGA
 78661 TGGCAGTCCC GCCCCAGGCC TGTGAACGGC AGAAAAGACC GCAAAACAAG AGCCAGTTTC
 78721 TTAGTCTAAA GGGATGTCCG GATTGGACTA AAAAATTTC AAAAGTCCCG CCCTGCTCCC
 78781 GGGTTGGTCC GTTCTTCTAG TACATGACTT TCATTCTGTA TTTAATTGGA TGGTGGAAAGA
 78841 CGTTGCTAT TCTGTGTTTT TTGCTTACT GTGACTTAAA AGTTTGCCT CTTTCTCTT
 78901 TATATTAAATG TCTGGGATTG CGGACGCTT CCATGTTGTT GGTAGTCAAG TTGATGTCTC
 78961 CTGGAGGTAG TGGCAACATC CAGCCCTGGG AGGAGAGTGC GTGCAGGTAC CTTGCTCCTA
 79021 CATTCCCTG CTGTTAATTTC CTCATTCCCTG TGCAACGAA GGAATGCATT TAAAAAACAG
 79081 CCACAACAGC GGCAATAGCC CTTCCCTCCAC CCAAGGCAAT CGTGGACCTA GGGAGTTTT
 79141 TGTGCCACAT AACATGTAGC CTTCCGCTAA ACTGACAGGT TTGAGCGTAT CGATTTTGAG
 79201 CGTATCGAAA GCACAACCTT TAGCCAGCCA TTTTGTCTC GCATGACTAC GGGTGTCTTAT
 79261 CCTGTTAGA CAGACAGCAA CATTAAAAAA TCGAAGTCC TTTAACGTA TTTGTTGG
 79321 CAGTCCAAAT GTTCTATGC AGAAAACAGT ATTGTACTA TTAACTATGA AGAGTGTATG
 79381 GATAAAATGGG AGACATTCT AATAAAGGCC TTCGTTAATG GTTCCCTCTG TTTGACATCC
 79441 ATGGTGCTTC TGAATACAGA AAGCCTAGCG TCTTATATTG CTTCTTTTA AAATCTGGTG
 79501 GGCACATTTT GGTGAGACCT AAATTATGGG GACTGGGGCT TCTGGAGATA AGCTGCTCAA
 79561 TTATTCTTAC ATCTCCACAA TGATTAATAT AGTGAGTTGA TTTGTTAGTG ATAGTGACCA
 79621 CGGATTCATC CCAAGAAAGA GAAAGGGGAG GGAGGCAAGC AGAGAGACAG GAAGACAGAG
 79681 GCAGGGAAGA AGGAGAAAAC ATTCTCCCAT GTTAAAGTA ATTTTGTGTT GTAAATTTTA
 79741 CATTACAACA CGGTTAACCA TGTTGAACCC TCTATTTGG TGTAAGGTTT AACATATGG
 79801 CATATTTTC CCAAGACCAT TTATGAACTT TCATTTCTGC TTCCCCCTTC TTCCCTCCCGT
 79861 GCCACCCCTCC ACGCTCCTAT CAATTTGGC TGTTTGTC TAGGCTAATA CGCTATAATT
 79921 TCATGGACAG TTGGACTGTC TTAGGTTCTC CAGGTTCTA TTTTGTCTC TTAGTCATT
 79981 CCACAATTCT TAAGGTAGAA TTGTATTGTT TTAAACATTG TGTTGTGTGC TATCCTCAAT
 80041 GCTGAGATGA TTATGTGACA AATGGCAAGT GTTCAACTAA TACCTAACAT TGAGTATCT
 80101 TATCAAGCCT AATGCTACTT CACAATGCCT ACTCCATTCA CCGCACTTTA TCTCATTACT
 80161 GGCATTCTGT CATCTCACAT CATCACAAGT AAAACGGTAA GCTATTGAGA GAGAGATCAC
 80221 AGTCATATAA TTATATTAT ATTATTATTTA TTATTTATGA GACGGAGTTT CCCTCTGTCA
 80281 CCCAGGCTGG AGTGTGTGG CACGTTCTCG GCTCACTGCA ACCTCCGCCT CACGGGTTCA
 80341 AGCGATTCTC CTGCCCTCCGC CTCCCGAGTA GCTGAGATTA CAGGGGCCTG CCACCATGCC
 80401 CGGCTAATTG TTGTATTGTT AGTAGAGACG GGGTTTCACT AAGTTGGCCA GGCTGGTCTC
 80461 GAACTCCTGA CCTCAGGTTA TCCGCCACC TCATCCTGCC AAAGTGCCTA GATTACAGGC
 80521 GTGAACCACC GTTCACAGAC TCAAATCATT TTTATTACAG TATATTGTTA TAATTGTTGT
 80581 TTTATTATCA GTTATTGCTA ATCTCTTACA GTGCCTGATT TATAAATTAA ATTCATCAT
 80641 GCCATGTGTA TATAGAAAAA AACAGTGTAT ATACGGTTCA GTACTATCTG TGTTTCAGG
 80701 CATCCACTGG GGGTGCAGTT TATTAAACAT GCATTTACAT TAGTCTCCCC TTTGGGAGAC
 80761 TAATTAACCTG AGATGTGTA ACGTGACTTT AATAGCAGAT AGAGCTAATT TTCTCTCAT
 80821 ACTCTTCTTT TTCAGAATTTC TCCATTTTTT ATTTTCCAT ATGTATATTA

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80881 AGATCTCTTC CACCTCCTCC TGTTTCTCCA TCTCAACATC AAACAATTAA AAAAAAAA
 80941 AAAGGCTGGG CGCGGTGGCT CACGCCTATA ATCCCAGCTC TTTGGGAGGC CTAGGCGGGT
 81001 GGATCACGAG GTCAGGAGTT CAAGACCAGC CTCGCCAAGA TGGTGAATC CCGTCTCTAC
 81061 TAAAAGTATA AAAATTAGCC AACCATGGTG GCAGGCGCCT GTAATCCCAGG CTACTCGGG
 81121 GGCTGAGGCA GAGAATTGCT TGAACCCGGG AGGCGGAGGT TGCAGTGAGG CGAGACCTTG
 81181 CACTCCAGCC TGGGTGACAC AGCGAGACTC CGTCATAAAA AAAAAAGCCG GAAGCAGTGG
 81241 CTCACGCTG TAATTCCAGC ACTTTGGGAG GCTGAGTCAG GCAGATTACC TGAGGTCA
 81301 AGTCAGGAC CAGCCTGGCC ATGAAAATAC AGCCTGGCCA TGAAAACACA CAATAAATT
 81361 GCTGGGCGTG GTGTCACACA CCTGTAATCC TAGCTACTCG GGAGGCTGAG ACAGGAGA
 81421 CACTTGAACC CAGGAGGCAG AGGTTGCAGT GACTTAAGAT GACGCCACTG CACTCCATCT
 81481 GGGCGACAGA GCCAGACTCT CTCTCAAAA ACTAAATAAA TAAAATAAA GTTATGGTAC
 81541 ATTGAACCTC TGTGTTCCCT TCTCCCTTAG ATACTTTCAT GGCTACCCAT TTAATTGATG
 81601 TTCTTATCAT CTCCAAGAGT TAGTCAGGAG AGGAATCAAC CCAAGCAAA ATAGCTGATT
 81661 TTCTAATTTC CTTCAATGC CCTTTGGGCT CTTAATCCAT TTGATTATG TACTTTCA
 81721 TAATCCTAAC CTCGAATGTC TTCTGCAAAC ATGTTTCCAC AGATGAAACT CGTCAAATGA
 81781 AACACATTC TTTAATTAT AGAGTTAAA ATTAGAAAAA TTTTCAATT CATTGGCC
 81841 TTAGATTCAAG TCTTGCAATAT GTTTTCTCAA TTTTGTTCAT GCTCTTAGT TTTGTTTAT
 81901 TCCATCACAA TTGTTCACAT AGCTTACTGG CTTAGGTCTA ATGAACCATC CATTGGAA
 81961 TTAAAATTGG CCATTTAAC ATGAAAAGA TTCTTGCCCTC AATTTTACTT AGTTTTGAA
 82021 ACTGTCAATG AGGACACATG TTTTTCTGTA CTCTTAGATT CACTAAGTAG TGTCTTGCA
 82081 ATTTAACTGA CAAAGGACAG ATTAACATGC GAAAAAAA GCATGCAATT TTATTAGTAT
 82141 ATTACATGCA CAGAGTCCC AAAGAAAAA AAATTGAAAC CTTAAAACG CGGTTAGACT
 82201 CACAGACTTA TACACCATTCAACAAAGGA AAGGGAGTTT GCACTTCATG GGATGACGAA
 82261 TTTGGGAATG TGACAAGGAA ATAAATACAT GGCAATAAA AACCATGGAA GATAAAATGA
 82321 AAGATAGAAA TAATTGAGT AAGGTTGTT TTTGCAGAGT CATCTCAGTG CCAACCTTCC
 82381 ATATCTAGTG ATAAGAATTG CTCTCTTTT CCTGGTATAG CAGTTGGGAA CACTTTACA
 82441 AGGGAAATTCT CTGTCACCTT CACAAAGGGA AATTGGGTA AAGAGAAGAC AGAGACCTCT
 82501 TCCTACACCT GTTGATTTTC AATTGCTTC AGCTGAAAAT AACTTTTATG CCAAAGTAGA
 82561 ATAATTGGG GGTGACATCC TGATATTCTT CAAAACATTAT ATTTAATTTC ACATTAGTAA
 82621 TTATATCATT TTTGATTTT AAATTAGTTT TATAAAATAA TTTTGGAAA CGGTAATAAT
 82681 ATTCAAATAA TTCCAGAAAC ACTGCTGATA AGCCAAAAC ATCAATGAAT ATTGCATAAA
 82741 CAACTGATAA TTCAACCAG AAAATTATG ACATTGTTCT TGTGTGATAA AACTATGAGT
 82801 AACATAAAA CTAGAGGCTA CTTGTAATGC ATTATTCCAA ACTTTCTGTT TTTTATT
 82861 TTATTTATT ATTGAGAC ATAGTCTCTC TCTGTCACCC AGGTTGGAGT GCAATGGCGT
 82921 GATCTTGTT CACTGCAGCC TCCACTCCC CGGTTCAAGC AATTCTCTG CCTCAGCCTC
 82981 CTGAGTAAC GGGATTACAG GCACCTGACA CCAAACCCGG CTAATT TGTATT
 83041 GTAGAGACGG GGTTTCGCCA TGTTTGCAG GCTAGTCTCG AACTCCTGAC CTCAGTGATC
 83101 CACCTACCTC GGCCTCCCAA AGTGCTAGGA TTACAGGCGT GAGCCACCAT GCCCGGCGCA
 83161 TTATTCCAAA CTTTCATACA CAGTGCTATC ATGGCTACAA ATTGAAGTAT CATATTATAC
 83221 ACTCCTAGGC AAAGCTCTGG ATATTTCGGC TATATAAGCC TGAGGAAAT GTAGTAAGGA
 83281 CATTGTGGTT GAAATTCTA CCAGAGATGA ACAGGCCAG TGCAAGACAG AATTACATCA
 83341 CTAAAGGATA TCAGAAGAGA ATAGGGATT AGGGTACAGT GGCAACAAACA GTTTGGGAA
 83401 CTAGCATTTC TTGAGCACTT ATTTACAATA TGCCAAGCAC TGTGCTGAT TACTCTATAT
 83461 TTATTTCAA ACACATTCTT GTCACAGCAC TTTGAAGTAA GTGCCATTGT CATTCCACT
 83521 TCAGGGTGA GGACTAAAGC TTGGTGTCA TAAGGATGTA GCTAGTTAGC TGTGTGTTG
 83581 TGTGTGTTG TGTGTGCTT TTTTTTAAA TTAAAGTCA ATAAATT TTTGAAGAA
 83641 TTTCACATCA AGGTAACATT TGTTCCCTA AAGAGCTGGA GTCAAATGT ATCTTCA
 83701 GATTCACTT CAAGTTAGCC CTTCTTAATA GAACTGATGC TTAATCCACA GTGTCAGCC
 83761 CACAGTTCTT TTATTTTGAC TTTTTTTTT TTTTTTTTG AGACGGAGTC TCTCACTGTC
 83821 ACCCAGGCTG CTGGCAGTG GCGTGATCTC GGCTCGCTGC AACCTCTGCC TCCCGGGTTC
 83881 AAGTGTATTCT CCTGCCTCAG CCTCCTTAGT AGCTGGGACC ACAGGCGCAT GCCATCGTGC
 83941 TCGGCTAATT TTTGTATTT TATTAGAGAC AGGGTTTCAC TATGTTGCC AGGCTGATCT
 84001 CAAACTCCTG ACCTCATGAT CCGCCTGCC TGGCCTCTCA AAGTGCTGGG ATTACAGGTG
 84061 TGAGCCACTG CACCCGGCCT TATTTGCCT TCTTTAATCT CCATTGAAAC ATGGACATAC

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84121 TGATGAAAAC TACAACATTC TTCACCAAAA ATCTTGGGA TTTAATTCTC TCAACCACCT
 84181 TACTTTGGGG TCATTTAACG ATTAGGTGTA TCTGCCTGGT TCTCAATTG ACACCCCTTC
 84241 TCTCTAAACA TGAATGAGTT CCAATCATAT TTATTCCTAA GCTATCACAC TCAAATATAAC
 84301 TACAGATCTG TGGAAATATGC CAAAAGTTAA GGTGAAAAAT TAAATTATTA GGTATTTCAT
 84361 AGTTTGCTA GTTTTGATC TGTGAGTGAA TATAACTATC CTCTATGTCC TGGCACTGTT
 84421 CCTCAGAAAC ATAGGGTCCA CATATGTAAT TTAAATTCTT TTAATAGGCA CATTAAAGAA
 84481 AGTGGAAAAA GAAATCTATT TTAATGATT GAATCCAGTG TAACCAAAA TTGTTCAAC
 84541 AAGGTATCTA ATATTAAAT ATTGAGTTT TACTTTGTTA TTTTACTAGG TCTTTGAAAT
 84601 CTGGTGTGTA TTTTACACTT AAAGCACATC ACAGTTGGA GTAGCCACAT TTCCAATGCT
 84661 TAATACTCAC ATATGGTTAG TGGCAACTAT CTTGGACAGG ACAGCTTTA TACTCTGGGA
 84721 AGACACAAGC AAATACTTGC TCTGCAGCAG AATCCAGATG TTTTCCAAGA AAACACTTTT
 84781 TCTGACCTGT TCGTGAAACC CAGGTAGTGT CTCTAAACT TTATATTCTA TTGGTTGTC
 84841 CTATTGTAAC CACCCAAACGG GCTCTCCTG TCCACTTCCT AGACAGAGCT GATTATCAA
 84901 GACAGGGAA TTGCAATAAG GAGCCAGCGC TACAGGAGAC TAGAGTTTA TTATTAATCA
 84961 AATCAGTCTC CTTGAGAATT TGGGGACCAA AGTTTTAAG GATAATTGA TTGTAGGGGA
 85021 CCAGTGAGTC GGGAGTGCTG CTTGGTTGGG TCAGAGATGA AATTATAGGG AGCCTAAGCT
 85081 GTCCTCTGT GCTAAATCAG TTCTGGGAG TGGTGGGTG GGGGACTCAA GACCAGATAA
 85141 TCCAGTTAT CTATATGGGT GGTGCCAGCT AATCCATTGT GTTCAGGGTC TGCAAAATAG
 85201 CTCAAGCATT GATCTTAGGT TTAAATAG TGATTTTATC CCCAGGAGCA ATTTGAGGTT
 85261 TAGAATCTG TAGCTTCCAG CTGCATGACT CCTAAACCAT AATTATATAAT CTTGTGGCTA
 85321 ATTTGTTAGT CCTGCAAAAG CAGTCTGGTC CCCAGGCAGG AAAGGGTTT GTTCTGAAA
 85381 GGGCTGTAT TGTTTTGTT TAAAGCAAA AGTATAAACT AAGCTCCTCC CAAAGTTAGT
 85441 TAATCCAAA CTCAGGAATG AAAAGGACAG CTTGGAGGTT AGACGTTAGA TGGAGTCGGT
 85501 TAGGTAAGAT CTCTTCACT GTAATAATT TCTCAGTTAT GATTTTGCA AAGGCAGTTT
 85561 CACTGTCCAC TTCACCTCAC ATCAGGCCCT TGACTAGAGG ATTCCAACAA TACTTAGGC
 85621 AGGACACCAC CATGTCTCCT TATCCACCCCT GAGGGATTCC AATTCTGAA ACAAAGGAAA
 85681 CTATATATGA TAGTATGAAA CTATATATGA GAAGGAAATT ATATATGATA ATCAATTCTA
 85741 GGGTTATCTT ATTGATTAGA AGATATTAAA GTGTGACACT GCCTGGCAAT GATATCTGCT
 85801 GGTAGTAAGA ATTGGCGAA TTAGTGAAGA TTCTGAGGC TGAACCTCCA CTCTGTAAA
 85861 ATGGAGACAG TGAGATAATT TGCTTACAA TGCTGAAGTA AGAATTCTAC ACAATAATT
 85921 AGACCAACCA CTTCATGTGG TACTTGGCCC GTGGAAGACT ATCAATGACA GTTAGTTTAT
 85981 AGTTTATACT ATTAATGAAT CCTTTGTTTC ATTGTTATT CTTCTACAC GTTGGCCTCT
 86041 CTAAAAGAAG GTAATATTCA ATACAAATAA AGTTAAAACA GCTTGCAGAG TTGTCAGG
 86101 GAACTCACTT AACCACTGAA GTGTTCAAAT TGCTTAAGGT TGACTTTATA TTCTCCTGAC
 86161 TAACCTTCT CCTTCTGGTA TTCTCTGTA GAACAGCACC ACCATCCAAA GCATCATGCA
 86221 AACAGTGGTC ATCCCAGACC AGTAATTCTC AACTCACAGG GTGCTCCTGC AGAGATGTAT
 86281 TTGAATAGAG TGGTAGGATG CTGAAGAAGG CCACGTAAAA TTTGGCCAGT GATCTGGGGC
 86341 AGATTTATCC TGAAGCTAAT GAAACACAAG TGTAAGGGCC TGTACTTCCA AGGTGCAGAG
 86401 AGGGGCCCTA CAAATGTGTT AGTTGTCTC TCTCTCTC TCTGATTAA AAATTTGCAG
 86461 TATTAAGGTA CTTTAATCAC GGATGGTCA GGCTGCTATT TTCACTCAAT CCTCCTTTT
 86521 ATTAAAATCA CCATTGTCTG ATTATGTTAG AATCCTGATG AAAATATTG GAATTTGAGT
 86581 AAGAGAAAGT TTAGTTGAAG ATGTATCTAG TATGGGATA ATAAGTTACG TGATTTGCAT
 86641 ATGTGATCAT GTGTACTTCA TTCTGTTCCA GCCAATCTGA CGTAAGAATG GCTTCAAGGA
 86701 GGCCGGGCCG GGTGGCTCAC GCCTGTAATC CTAGCACTT GGGAGGCCGA GACGGGCCGA
 86761 TCACGAGGTC AGGAGATCGA GACCATCTG GCTAACACGG TGAAACCCCG TTTCTACTAA
 86821 AAATACAAAA AATTAGCCGG GCGTGTGGC GGGCGCCTGT AGTCCCAGCT ACTTGGGAGG
 86881 CTGAGGCAGG AGAATGGCAT GAACCTGGGA GCGGGAGCTT GCAGTGAGCC GAGATCGCGC
 86941 CACTGCACTC CAACCTGGGA GACACAGCGA GACTCGTCT CAAAAAAA AAAAAAGAA
 87001 TGGCTTCAG GAATGTTCT ACTGCTCACT GGAATAACTC ACCTAAATTC CTGGCAAGAT
 87061 GCAGGTCTAG ATAAAATGTT ATGACATCTA AGTATTCAA ACACATTCCC AGCACTGAGA
 87121 GTGAGTGCT AGTGGAGAGT AGAAACGTAT AGAGCCAGAA GCTAGTCTGG AAAGAATTCT
 87181 TACAAAGTTT ACAACTTACA TGTGAAAGGA GCTTAACAGA GGATTTCCA AATTTGAAAA
 87241 CAATCCTAAA AACTTACTTG ACATTACCAA TAATGTGTT TGAAACTGAA ATACTTCTAA
 87301 GTTATGAAGA AACATATTA TCATCAGCCA CCCTGGAGGA AAGATTGAAT TCTATTCTCA

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87361 TTACCTATAG ACAACATTAC AAAATAATTT CGATCTGAAG ATGGAATCAG AGTATTCACT
 87421 CAAAAC TACA GGAAAATATA CTTGGTAGTG TCATATTCAAG AAGTTAATAA AATATGCTAT
 87481 TTTCTGAATT TTGTGATGGC TGTGTTTTG TCAGCTTTA TAAAATTGGA ATTTGATTT
 87541 ATTTTCCCAT TATAAATTAA TATTTACAGT CTGCAGTACT TTTGCATTT TAATTTACA
 87601 TTATAGCTT TAATAGTTAA CAAGTTGTA AAGGTTGAT CCCCAGAAAA CCTTGATCTA
 87661 CCCCCCTCAGT TAAGTATACT AATATATTAA GAAAATGGAT GAAATCAGCA TTTGAATATT
 87721 TTTAAATATT TATTAAGA GGACATGGGT AAAAGAGCTT TGCAGTTGCC ACCCTTCATT
 87781 CTCAAATCC CTGATAAGG ATGACCGAT AATCTTGGA TGGTCATACG CAAGTCTTGT
 87841 GTATTTGTTA CATAAAATCTA TTTAGTGGAC TTTTGGCAGT GTGTACTGAG GCCAGTTCT
 87901 TCCACCTGAG CTCTGACTCC ACCTCCAGCA GCCCAAACC AATACTGAAT TTGGGGTCA
 87961 GCTATTGTT TTGTGGACTT AGGTAAC TAC ACACACATTG TCTTTATGAT AGCTTTAATA
 88021 ATACTGCCAT CAGAACTAAA ATTGTACAGT GGATTAAG GAGTGACGGT GGTGTCCCCA
 88081 GGAGCCTTC AATATGTAAG TATTTACACA TATACATGCT AAAAGACCC CTAGGAATT
 88141 TTTTAACAAAG GGCAAAACAG TAACTCAGCT TGTGTTCTCG CAGTAAAACC GGTTGAAAAG
 88201 GCCTGATAGA CTTGTC TGCA GTTACAAAAC TTGTGTGAG TTATCACCTT TATATCTCCT
 88261 GGAAACTAAC ATAGACAACC GAATGGGTTA CAACTGTTT TAAGTGAAT TGTGAGTGGC
 88321 TCTGAAAAGA GCCTTTCAA TGAGGAAGAA ACGGGCAGAC TTATGCCCTT TCCCCACGGA
 88381 TGCGACGTGC CAGCTGGATA TCTTGGCA TGATGGTGAC GCGTTAGCG TGAAATAGCGC
 88441 ACAGATTGGT GTCTTCGAAG AGTCCCACCA GGTAGGCCTC GCAAGCCTCC TGCAGCGCCA
 88501 TCACCGCAGA GCTCTGGAAA CGCAGGTGG TTTGAAAGTC CTGGCGATT TCTCGCACCA
 88561 GGCGCTGGAA CGGCAGCTTC CGGATCAGCA GCTCGGTGGA CTTCTGGTAG CGACGGATT
 88621 CGCGCAAGGC CACGGTGCCC GGGCGGTAGC GATGAGGTTT CTTCACGCCA CCGGTGGCCG
 88681 GAGCGCTTT ACGGGCTGCT TTAGTAGCAA GCTGCTTGCG CGGAGCTTG CCGCCGGTAG
 88741 ACTTGCAGC TGTGTTCTC GTACGAGCCA TTTGCAATGA GAGCACACAC AAAAGTGTAG
 88801 TGAACGTAGA GCAAGTGGCC TTTAAATATA GTGAGAAACA TTCTGATTGG TCCTGTAATA
 88861 TTTCAAAAGT CCCGCGCGAT AAAATCATTG GCTGAAGAGT GACCAGACTG ATTGGTTCAT
 88921 TACTAGACAA TCTTATTGGA TGAGTTGCC CACCGCCCAT CCTGTCCTTT TCGTTTCAGT
 88981 TATCTGCAGC GACAAATTGT CTAAAATTCT AGTTCATCCA GTCCCAAAGA ACAGAGTGT
 89041 TAACAAGGTA TCTAAGGATT TTTAAAATGT AAATTCCGAT TCAGTAAGTT TGAGTGGGAC
 89101 TTGAAATTCT GCATTCTGA CAGTCTCGCA AGTTATCAAT GCTGGTGAAC ACTCACTAAA
 89161 CCACCAGAAA CGTCAGACT CATGTGGGA AATAACGCTT ATATTCAAGG AATGAGATT
 89221 CATGCTATT TGTACTGTC GAACAGCAAG TTTCTTGCC CTTTGTGTTT TAAGTCCAAG
 89281 TCACATTCCC ACCCTGCCTG TTCTCAAAAT GTCTTATTGGT GGTTGGCCTT AAGTTCACT
 89341 TTGTATAACTC TAAAATGTAC TTTCTAAAGG AAGGTGTTAT TTTCTCGAAA CTTAACTTTT
 89401 TAACACCATT AGGCTAGGGG GGCGGTGGCT CACGCCTGTA ATCCCAGCAT TTTGGGAGGG
 89461 CGAGATGGGA CGATCACTAG AGGCCAGGAG TTCAAGACAA CCCTGGCTAA AATGGTGA
 89521 CCCCGTCTCG CATAAAAATA CAAAAACTAG CTGGCGCGG TAGCAGACGC CTGTAATCCC
 89581 AAGTACACAG GAGGCTGTGG CATGAGAACCG GCGTGAAGCG GCGGGGTGGA GGTTGCAGTA
 89641 AGCCGATATC GCGCCGCTGC ACTCCAGCCT GGGTGACAGA GCTAGACTGT CTCAAAACAA
 89701 ACCAATCCAA ACGAAAAGCA AAAATAACCC TAACAGAACG AAGTTATCAT CTTTCTTGT
 89761 GTAACATATGG ACGGCTCTGA AAAATGCCGT TTCAAGTGTAGCTACGTT TCTGATTG
 89821 GTGTTTACTT GACCTTGCC TTATCGTGGC TCTGTTATTT TGGCAACAGG ACGGCCTGAA
 89881 TATTGGACAG GACGCCCTCC TGAGCAATAG TGACGTTGCC CAGCTGCTTG TTGACCTCCT
 89941 CGTCGTTTCG GATGGCCAGC TGCAGGTGGC GGGGGATGAT GCTGCGGGTC TTGTCACGTA
 90001 TGGCGCTGCC CACCAAGTCT AAGATCTCGG CGGCCAGGTA CTGTAAGTAC ACTGGCGC
 90061 CGGCTCCGAC CGGCTAAAAA TAATTGCCCT TTGAAAGGACT ATGACGGACT CTGCCCTATT
 90121 GGGAACTGCA AGCCCGGTAG CGACGAACAA GTTTTGCTT TAGCTCCATT TTCCACGTCC
 90181 GCAAATAGCG ACCTATGAAA GCAGCGAAA ACTGTGAAAG ACAAGCAAGC TGAATGGCG
 90241 CCTGAACAAA TCCTTTATA CAAACTGCAA GGCTGCAATA GGAAGCTATC CTATTGGTCA
 90301 ATTATGTTG GTGCTTTATC CAATAGAAAA AGATAACATA AATTCCATAT TTGCAAAAC
 90361 CCCACCCCTC AGTAAACCG TGTTTCTTT GTCCAATCAG AAGTGAGGAA TCTTAAACCG
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 90481 AGTGGAGAGT GTTAGTAGCT TTCTATTCT GTTTAGGAAT AGCAATGCCT GAACCCCTCTA
 90541 AGTCTGCTCC AGCCCTAAA AAGGGTTCTA AGAAGGCTAT CACTAAGGCG CAGAAGAAGG

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90601 ATGGTAAGAA GCGTAAGCGC AGCCGCAAGG AGAGCTATT TATCTATGTG TACAAGGTT
 90661 TGAAGCAGGT CCACCCCGAC ACCGGCATCT CATCCAAGGC CATGGGGATC ATGAATTCCCT
 90721 TCGTCAACGA CATCTTCGAG CGCATCGGG GCGAGGCTTC TCGCCTGGCT CACTACAATA
 90781 AGCGCTCGAC CATCACCTCC AGGGAGATT AGACGGCTGT GCGCCTGCTG CTGCCTGGGG
 90841 AGCTGGCTAA GCATGCTGT TCCGAGGGCA CTAAGGCAGT TACCAAGTAC ACTAGCTCTA
 90901 AATAAGTGCT TATGTAAGCA CTTCCAAACC CAAAGGCTCT TTTCAGAGCC ACCTACTTTG
 90961 TCACAAGGGAG AGCTATAACC ACAATTCTT AAGGTGGTGC TGCTGCTATT CTGTTTCAGT
 91021 TCTAGAGGAT CAACTGGAAT GTTAGCGAAG ACAAGTTTA GAGCCAAGGT TAACTTGGAC
 91081 GGGGCCGTGC GCGGTGCCTC TTGCCTTAA TCCCGGCAAT TTGGGAGGCC GAGGCGGGCG
 91141 GATCACTTGA GGTCGGGAGT TCGAGACTAG CCCGGCCAAC ATGGCGAAAG CCCGTCTCTA
 91201 CTAAAATACA AATGATAGAC GGTCGTGATG GCGCTCTTC TCATCTGTCT TAGCAAACCTT
 91261 CTTTGTTCCTC CCTGGGTAAG CCTTCGGGTA CTATGTATAA TTCCTTGAT AAGGTCACTA
 91321 CTCCTCCCT GGTCTAGTAC AGGAAACTTC CCTTCTGGA TAATGAAGCA GGTAAATGGAA
 91381 TTCAGGGTAT AGTGTTCCTG TGGGGTCTAT TAGCCGTTAA CTTCTTGTGA GATGCCGGGG
 91441 AGGGGAGCAG AAAAGTCTAA GCGACAAAAG GGCATGTAGG GATATTGCT CCTGCAGCTT
 91501 GCCTATGCTG TAAATTCTTA CTTCAAGTAT TGAGGAAACA ATAAGCGAAG TCTGATTTCC
 91561 CGGGCGCCTT TATACGGAAT ATTTCCCCTG CCACAAAATG AAATCGCAGT AGTTTGAGT
 91621 TATAATTGTT TATCAATGAC AACAGCTATG TAGTTTACAT ATTTCATGCA TCCCAGAAAT
 91681 CCAGATTCCC ATTTCCTAAG CCACTTAACG TTCTGATTTC CAGCTCTGCG AGATACAAAA
 91741 GGGTTTGGAT TTTGTGCCCT TCCCCATCTG GCGCCACTGC AAAGCTTACT AGGAGGGCC
 91801 CACTGGAGA GGGAAATCTT TTTCGAGAAG TCCAGGACGC CAAAAACAAT ATAGCTAAAA
 91861 AAAAAAAA AAAAAAGCAG GGAAGAGCAC TAGTTGAGGA GGAGGACTCA ATGGGCCAAT
 91921 TCTGGGGCTG GGGCTGGGGG AAGAAATGCA AGAAAGAAAAG ACACTTGTG ACTGCACAGT
 91981 AAGCAGGAGG GGGTGGGGGA ATCGGAGGGG AGTATTTCAG CGAATTATG GGGCATTATA
 92041 TGTAGGTGAC ATACAGCAGT GTCTTGGAT GAAGAAATAA AGTTTCTCAA ACAGTTCTT
 92101 TTTTGTGTTT GAGAAAGGGC CTTTCTCTGT CGGCCAGGCG CCATCATAGC TCACTGCAAC
 92161 CTCGACTTCC CCAGCTCAAG CGATCCTCTT ACTTCAGGCC CTTGAGTGGC TGGGACTAGA
 92221 GAAATGCACC ACCATACCCA GTTAATTGTT TAATTTTTG TGGAGGCAA GGGTCTTACT
 92281 TTGTTGCCCA GGCTGGTCAA CGAACTCCT GGGCTCAAAT GATCCTCCCG CCTTGGCCTC
 92341 CCAAAGTCCT GGGATTATAG GAATGAGTCA CGCGGCCCGG CCCAGATTAA ATTTTAAGA
 92401 ATCTTTAAA AGAGGTTCTG GGCCGGGTGT GGTGCAGCTC ACGCCTGTAA TACCAGCAT
 92461 TTGGGAGGCC AAGGTGGGAG GATCACTTGA GCCCAGGAGC TCAAGACCAG TCTGGGCAAC
 92521 TTAGTGAGAC CTTTTGTCTC CACCAAAAT TTAAAAAATT AACCAAGGCCT GGTGGCACAT
 92581 TTCTGTAGTC CCAAGTACTG GGGAGGCTGA AGTGGGAGGA TCATTTGAGC CTGGAAGGTG
 92641 GAGGTTGCAG TAAGCTGTGA CGGCACAAC GCACTCCAGT CTGGGTGAGG ACAGACCTG
 92701 TCTCAAAAT AAAAAATAA AAAAAATCTG GATGCCACAC AAAATGTCAG TGAACAACTG
 92761 TAAGTGAAGC ACTTCCCATC CTAGTACTGT ATATGCAAAC TGCCGTGTG AAAGTGACGC
 92821 TTGGCTTAAA AATCTACATT CTTTTTTAA TTATAAAACT ACCACATCCC CCAAAACAT
 92881 TACTAAGGAA TTGAGGCTGC AGTTTAAGAA GCTGATATTT AGGATCTATC TCCGGAGAAG
 92941 TGAGACCTGG TAATATAAGC ATTTTCAAA TGAACTTTG GCCCAGGTGA GGTGTGTCA
 93001 GCCTGTAATC CCAGCACTTT GGGAGACCTA GTCAAGGCAGA TCACCTGAGC TCACAATTG
 93061 AGACCAGCCT GAGCAACATG GCGAAATCCA GTCTCTACAA AAAATTAGCA GGGCGTGGTG
 93121 GCATATGCT ATAGTTCCAG CTACTATAGA GGCTGAGGTG GGAGGATTAC TTGAGCCCG
 93181 GAGGCAGAGG TTGCAGCAAG CCAAGATCGC GCCGCCACAG CCTGAGCGAC AGAATGAGAT
 93241 ATGCACCCAC GCCCTAAAAA AAAGCATGAC TCATTAAAAA AAAAAAATT AGCCGGTCGC
 93301 GGTGGCTCAC GCCTGTAATC CCAGCACTTT GGGAGGCCGA GGCGGGCGGA TCACGAGGTC
 93361 AGGAGATGGA GACCATCCTG CTTAACACGA TGAAACCCCG TCTCTACTAA AAATACAAAA
 93421 TAATTAGCTG GGCGTGTAGG TGGCGCCTG TAGTCCCAGC TACTCGGGAG GCTGAGGCAG
 93481 GAGAATGGCG TGAACCGCGG AGCGGGAGCT TGCAGTGTAGC CGAGATCGCG CCACGGCACT
 93541 CCAGCCTGGG TGACAGAGCG AGACTCCGTC TCAAAAAAAAAA AAAAAAAA AAAATTAAAA
 93601 AAATATGAAG TTTTGAAGCA GAAATTATTT TGCGTATGT TCTTCATAA ATTTTTGTC
 93661 TGCCTGCCCT CTTCTTTGT TACAGAACTC CAACACTTAC CCAAAGGTAG CTGTTGGGTC
 93721 AGGGTTCTG TACTATAGTC CCTTCTGTGG TGGCCAGAAA TATGTTACAG GAAAGAGGTC
 93781 CCCATCCAGA CCCCCAAGAGA GGGTTCTTGG ATCCCCGCGCA AGAAAGAGTT CAGGGTGAGT

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93841 CCGCAGTGCA AAGTAAATGC AAGTTTACTA AGAAAGTAAA GTGGTGAAAC GACAACACT
 93901 CCATAGACAG AGCAGGACAT TCCCGAAAGT AAGAGGAGGA AGGCATCCAC CCTAGGTACA
 93961 ATACTTGAT ATATGGGGAG ATGTGCTCTG CTACAAGTTT GTGATAAAGG ATTAATTTC
 94021 TTAGTTACTA TATTTGCAA GAATCAACAT TATTATCTT AAACAAAATT AAGAATGCCT
 94081 TTGTTCTCCA GATATAGGGA TATCTGGACA CTCCCTAAGTC TGAGTCTGTT TAGTAAACAT
 94141 TATTTATTG TTCCCTAAC CGTAAACATC TAGAAGCTAG GAATGACTGA CTTTCTGGGA
 94201 ATGCAGGCCA GAAAGTCTCA GCCTCATTT CCTAGGCCCTC ACTCAAAATG GAGTTACTCT
 94261 GGTTCAAGTA ACTCTGACAC TTTTCTTCTC TTTTTTCTT CTTTTTCCCT TCCTTTATT
 94321 TTATTTTTT ATTGAAAGA TAAGAAATCA AGAATACCTG ATGTTTCATC TAAAACAATA
 94381 CCCATAATTG ATAAGCCAAA ACAAAACCT AGGTCTCTA ACTCAAAACT AGGATGTTT
 94441 GCTGTCTTG CTGATACTCG GCTGATCGTT AATAGGTAAT TAACAAACAA GCCTTGCTAT
 94501 GTCCCCCTCA GTTATTACCTT ATTAGATCAT ATGCCTACTG TCAATCATAT TAATCCACAA
 94561 CTATGCATTT CACAAAACCT GCCATAAAAA TTCACAGGTT TCCCCTTCC CTCGAGTTT
 94621 CATTCCGAA GGGTCCCCTG TAATATAAA CTTATATTAA ATACATTGT ATGCTTTCT
 94681 CTTGCTAATC TTTTTTTTG TTTTTTGAGA CTGAGCCTTG CTCTGTCACC CAGGCTGGAG
 94741 TGCAATGGCG CGATCTCGGC TCACTGAAAC CTCCGCTTCC CAGGTTCAAG CGATTCTACT
 94801 GCCTCGCCCT CCCGAGTAGC TGGGACCACA GATACTGCC ACCATGCCGC GCTAATT
 94861 GTATTTTTAG TAGAGACAGG GTTTCACCGT GTTGGCCAGG ATGTTCTCAA TCTCCTTAC
 94921 TCGTGTACCG CCCGCCTCGT CCTGCCAAAG TGCTCGGATT ACAGACGTGA GCCACTGCAC
 94981 CCGACCAATC TGTCTTTTG TAGAGGGCC TCAAGCATGA ACTTACTGAT GGGTGAGAAA
 95041 AACAGAATT TCTTTCCCC TACAATATAA ACATTAATTG TAATGTTATC ATTCAGGACA
 95101 TTTTGGTGAC CAATCTTACA GAAATTTAT CTTGTGCAAG TCTATGCAAA CCAATATGTA
 95161 AATCTTCTAT AAGTGAGATT GTATTTCACT TTTCTAGTAT CCTTTAAAT TAATAAAAGA
 95221 GATTCTAATG ATTATTTCA TTACTGCATT TCATTGTTAGG GAAGTAGATA ATTGCCCTT
 95281 ATTCACTGAC CTTCGTTTT TAAAAATTAA AACCATGTTA CCATGAAAT GCTTTTCAGT
 95341 ATTTCTCTAC ACACAAGATT GCTGTAAGGG CAAAAATAGA GATAGGAATC ATGCATCCAT
 95401 TGATATACAT ATTTTGATT TTAATACATG TTACCAAGTT GCCTCTGAA GGTCTGTTTA
 95461 CACTCTCAC AACAGGGTGT TTTTCTCTGA CTTCCACAAA TGCTCTGAA CAGTGGGTGT
 95521 GTTAGTCTGT TCAAATTGCC GACATGAACA ATTAATCTC ATTGTTGTT TTATTTTAA
 95581 GACAATTATT GTTTGAGACT GCACATTTG ATAATAACAT TTCTCTTATT ATGGTTTGAT
 95641 TACTCATGAT TCTTGCCTCAT TTTCTTTGG GATGTTGCCT TATGTACATT ATTTAAATA
 95701 GATAGCTCCA TGTATTAAAA GATTATTAAAG TTTGAGGGCT TATGATATGT CAGTTACATT
 95761 TCTAAGATT TTTTTTTTT TTTTTTGAGA CGGAGTTCA CACTTGTGTC CCAGGCTGGA
 95821 GTGCAATGGT GCGATCTCGG CTCACCGCAA CCTCCGCTC CAGGGTTCAA GCAATTCTCC
 95881 TGCCCTCAGCC TCCCCAGTAA TTGGGACTAC TGGCAAGCGC CACCACGC GGCTAATT
 95941 GTATTTTTAT TAGAGATGAG GTTTCCTCAT GTTGGTCAGA CTGGTCTCGA ACTGCCGACC
 96001 TCAGGTGATC CACCGCCTC GGCCTCCCAA AGTGTGGGA TTACAGGTAT GAGCCACTGG
 96061 GCCCGGCCAC ATTCTAAAT TCTTATAAG TATAAATTCA TTCAATCTTC ACCAAAACCTC
 96121 AATGAAGTGT GAGTACTATT ATTATCATG TTTTACAGAT CAAAACAAGT AATACAGTCA
 96181 CTTACTGAGT TCTATACACC TGGTAATT TTTGTTCTGT TGTTCTATCA ATTATTGGGG
 96241 AAGGGGTGTT GAAATCTCTA CCTTTAAATC ATGTATGTGT CTATTTCTCC TTTCGGTTCT
 96301 ATCAGGTTTT GCTACACATA TTTTGAGTT CTGTTATTTG GTGCATATAC ATTAGAATT
 96361 GCTTGTCTT CGTATTGGAT TGACCTGTT ATCATTATGT AATATCCCTG TCTGTTCTA
 96421 GTAATTCTTCTT TTGCTCTGAA ATATACTTAT CTGATATATC ATCCAAAAGA CCACCAAGGAT
 96481 GGCTAAAGAG TAGAAAGGAG AGATTTACTG GCAACTAA TTTGCAAGCC AGGAAGAGAT
 96541 GGTCCCAGAA CCTGCCAAA TTACTCTCTC TTTGGGGAGA AGGAGCAGGT TGTTATT
 96601 TATGCCTCAT AGGCTATATA TTACACAATA GAGTCATACA TATTTAGCAC GTTTGGGGGG
 96661 ACAGCTATAT ATATTATGAG GGGTGCCAAAG TGCAATTACA ATGGATAAAC ACGTGTAATA
 96721 TACCTCCCAT GTTCACTTCG AGGTTAAATT TTGGTTAAAA TGAGGTAGAA TTTAGGTCTT
 96781 TACATCACAA GGTGAACATAGG AGGAACAAAG TTTACGTGCT GCCTCTAGCA GCTGGCTGAA
 96841 AATGGCTTAA GGTCTACAAAT TACGTGTAAG AATAGAATGT GTGTCAAGGC GGTCTCTGT
 96901 CCAATCAGAG TTGTAGTGGA CTGGACTGTA AACAGAGTT AGGAGGGCTT CTGATAGCTC
 96961 CTATAGTTAA GGAATTAGC AAGTGTGAGT TTTTGGTAG TCTTGTGAAT TTAGGAATT
 97021 GCCATGCCAG CCAAGCCATG AATGCTCTAC CAGTAGGTAA CTTTGTGTTGC TTAATCTTAG

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97081 AGTCTGTCTT AGTTGGTATA GGGGCATCTA TTTGGTCTT TCAGATCCC AATATTATTA
 97141 ATACAGATAC TCTTCAGTT TTGGGCTGAT GTTATATGG CTTATCTTT TTGCAGCCTT
 97201 TAATTCAAC CTGGTTATG TTTATATTTG AAGTGAGATT CTTGCAGACA GTGTACAGTT
 97261 GTTGTGTTTT TTTTTTTGA GATGGAATT CACTCTTGTG GTCCAGGCTG GGGTGCAGTG
 97321 GCACAGTCTC AGCTCACTGC AACCTCCGCC TCCTGGGTTC AAGGGATTCT CCTGCCTCAG
 97381 CCTCTTGAGC AGCTGGGATT GCAGCCATGC GCCACCACAC CCGGCTAATT TTTGTATTTT
 97441 TAGTAGAGAC AGGATTCAAC ATGTTGCCA GGCTGGTCTC GAACCTCTGA CCTCAAGTGA
 97501 TCCGCCAGCC TCGGCCTACC AAAGTGTGG GATTACAGGT GTGAGACCTC GGGCCCAGCC
 97561 AAACTGTTTT TTTATGGGTG TATTTATACC ACACACATT AATGCAATT TAATGATATCTT
 97621 AGGGCTTAAG TTCATGAAGG GTAGTGTGGG AACCAGTGTG TCTTGGCCCA CTAATGTTT
 97681 GCCAGAAATC ACTGACAAGG CAGATTGATT AATAGGTGAA AAGGCATTTT ACCTATTGTT
 97741 TAACGTGTCT ATGTGGGAGC ATTCAAGATT AATTACCTAA CTTCCCAATG AGTTATAGAT
 97801 GCTTATATAC CATTGGTAGA TCACAGAAAG AATTGGGCT TAGATTCTGG TAAAACAGGT
 97861 TATGGGAGGC AAAAGAGGTT TGGCTGCCA AGGTGGCCTT GTTGGTAGG TGAAGCCTCC
 97921 CTCAGAAAGA ACAGATGGTA AATGTTCTT TTATGATTAA TAAGTGTCAAG ACTCTCAGTC
 97981 TCTCCTGGAT CTGGGGAAAG GTATAGAAAG GTGAGGAGGC ATGGCTGCAT TAATGGAGAT
 98041 TCTCTACAGA TGAAAATT TTCCCATTAA AGGCAGCTTT GCAAGCCCAT TTCTGCCTGC
 98101 TGGCCAAGCA GCAGCCATT CAAAATATGT CAAAGAAATA TATTTGGGG TAAAATATT
 98161 TGATTTCTT TAGACTGGTG GCCTTATAAG AAAAGGAAGA GACACCTGAG CTGACACACA
 98221 TACCCCTGCT CTCTCAACAT GTTATGATGC AGTAAGAAGG CCCTCACCAAG ATACTAATT
 98281 CATGCCCTTA GCTTCCCAGG TTCTAGAACAA GTAGGAAATA AATTCCTTTT CTTAAAAGT
 98341 TAGCCAGTCT GTGGTATTCT GTTATAGT CACAAATGG ACTAAGTAAC TATATTATGA
 98401 TCATCTTACA TGACTGATCC CTCCTACATC ATACACATAC ACAGGCCACA TTTGGAACAT
 98461 TGTTAGAGGT TCCTCTACCC AGTACAATG TACTACAAAT TATATATGTA TTTTAAATT
 98521 TTTGAGTATC TTCAATAGTA TATTTCTGTT AACTTTGTA GTCAAAATGT CATTATAACA
 98581 TGTATTCAAT ATGCATAATT ATTAGTCAGA TGTTTACAT TCTTCTTCA TACTAAGTGA
 98641 TATGGTTTGG ATATTTGTCC CCTCTAAATC TCATGTTGAA ATGTAATCTC CAATGTTGGA
 98701 AGTGAAGCCT GGTGAAAGGT TTTGGATCG TGAGGGTGAA CCCCTCATGA AGCGCACTCT
 98761 TCAGGGTAAAT CAATGGGTTTC TCACTTTGAG TTACAAGAG ATCTGGTCT TTAAAAGAGT
 98821 GTGACACCTC CCCCATCTCT CTCGCTCAGC TCTCACCATA TGATATGCCT ACTCCCTCTT
 98881 CACCTTCCAC CATGATTGGA AGTTTCTGAA GGACTTGCCA GTAGCAGATG CCTGCACCAC
 98941 ACCTCTGTA CAGCCTGCAC AACCGTGAGC CAAAAAAAT TACTTTCTT TATAAATTAG
 99001 TCAGTTTCAG GGATTCCTT ATAGTAATGC AAGAACGAAC TAACACACTA AGTCTATTTC
 99061 ATATTTACAG AATAGCTCAA TCTGAAGTAC CCTTTTCAA CTTCACAGTA GCTACTTGTA
 99121 GCTAGTGGGC ACTGATTGG AGCGTGTCA AGGGTGAATT GTATTATGCA ATTAACAGAT
 99181 TTTTTTATT GTTTCGCAA ACCACGAGGC ATAGATTGTC TTACTTCTC TGCTCCTGGT
 99241 GTTGGAGTTG TTATGGAA ACAACTTATT TTCTCTTAT ATTTATATGG AATAAAATAAC
 99301 CCCCAATATT TCCCTCCCCA ATATCTGCC TTTGTATGTT TTTGAAGGC AAGTGCCTAG
 99361 AATTTACTGT TTTGAAGCA CTTACTGAAA GGATTGCCAT CAAGTTGTT TGCTAATAGT
 99421 ACATGCCAGG CGCTGTTGG TTGCTTAAT TCAAGGTAAC TTGGATGAGA AGAAGAGTTT
 99481 TTCTCATCCA TGGCTCAGTG GAGTATAGAT TACTGATATT GTGACTGGAT GTACTCCTGC
 99541 TTTCTAGTCT GAGTTTTGA AGCTACCCCTT AATCTGGTT TCAATTCTAT CTAGCCCTGT
 99601 ACATATCCAA GGCTCTTCC AAAATGGCT ACGATTTGTT TAGGAAGTTA GAATAGCTGT
 99661 ACTTTCTGAA CCACGGTTCC TGACATTTC TGGAATTCAA ACACATCCAG CATTATATCG
 99721 AAGTATTATC CCTTCCTACT TGGCTGGCTT CTTCTTGCC TTCAAGGCTG AATTCAAATG
 99781 ACATTCTCCT GATGAAACTT TCCATCCCTA TTTCTATTCT TTTTCTTAT CCCCTTTCTT
 99841 TATTTTCTC CACAGCACTC ATCACTTATC TCTACATTAA CATTATGTAT TTACCTTATT
 99901 GTGCACCTCC CACTACAAGA CAAGTAGCAC CGTAAGGAA CAGGTTGTCT GCTTTTCAC
 99961 TGCTATGCTC CCTGCACCTA GAACACTCTC TGGCACTTAG CAGGTTTCA GTAAATATAT
 100021 GCTGAACTAA TAATGCTGGA TATACATCTC CCTCATGAAC TCTCTAAATC CTTCTAATTT
 100081 ACATTGATCA ATCTCTTTT CCATGTGTT TTGTATGATT TATTGCTCAA AATCTTTATT
 100141 TTGTATGCAAG AACGTGCAC GCTATTTAAT CTTCATGTAC GTAAGCCTC CCTCTCTG
 100201 GTATAATCTC TTCAGGGCAC TATCTGAGAT AACTTTTAA CATCTCCATC ATGAATCTG
 100261 TACCTTTCA AAGAAAATGA GCCAGTGATT ACTGATGTTT ACGGCTATTG TTGAGGGTGA

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100321 AGATCATTAT AATTTGAAA AGGGAAGTT AATATTGTGA AGGGAAAGAT AACACTAGAG
 100381 TCAGAAGACT TGGGAGAAGG CAAAAAACAA ACTAAAAATG AGCACTTTA GTCTCCTGAC
 100441 AGTTTCTCTG AATCAAATCC ATAGTTCTGT GACAGCGTT GCTTAGAACG AGATTTTTT
 100501 TTTTTTTTT TTGAAATGGA GTTTCGCTCT TGCCCAGGCT GGAGTGCAGT GGCACGATCT
 100561 CGGCTCACTG CAACCTCTGT CTCCAGGGTT CAAGCGATTC TCCTGCTTCA GCCTATGGAG
 100621 TAGCTGGGAT TACAGGCTCC CACAACCACG CCCAGCTAAT TTTTTGTATT TTTAGTGAAG
 100681 ACTGGGGTTT CACCATGTTG GCCAGGCTGG TTACGAACTC CTGTTCTCAA GTGATCTGCC
 100741 CGCCTTG GCC TCCCCAAAGTG TTGGGATTAC AGGCATCAGC CACCGTGC CC AGCCAGGAGC
 100801 AGATTTTTT ACACTCATGT TTCTTTTCC TTCTGTCATC CTGTTTCAGT ATAAGCAGAC
 100861 CACAGATAGA AGTAGTAGAT ACCTCAGAAA TTCTGGAAT AATTAATCCA CGTTCATCTG
 100921 TACTCCATCT GCTCCTATCT CATGGAATAT AAAAGGAAA ACACCAAGAT TTCCCTAGGC
 100981 AATCTGTC TT GATTTAGGT TCCTCAACAG GAGAGCCAGA CAATGGCTGT AATAATATTG
 101041 TCCC GGCC AA GGAAAACCTT CCCCTTGCC CTCCCAAGGT TTATGGAAA TTACTGGCAA
 101101 AACACAGATT AACTGGAGAA AAGGCATATA TATTATTTC ATCACAAATT TACAGGAGAT
 101161 TTTAGAATTA AGACTGAAAG ATACAGGGGA AATTGCCAT TTTTATGCTT AGGTTCAACA
 101221 AGATAAACAG CTGTATAGGG TACGATCTAA TGCTAACAGA CTGAGTGGGG AAGCCCCGCA
 101281 AGGCTTGTCT GTCAAGATT CTTCTGACCT CTCAGTGCAG CATTCTTCC TTCTGGTTAT
 101341 AGGACAAGAC TCTCTTTAG AATGGGGGT CTTATGACCT ACAGGCAAAC AAGGTAGGTT
 101401 AGAGTAATAT TTTAGGTTT TATGGCTGGT TCTAGGGAAA AGGAGTCTG GTTTGTATGG
 101461 CCTACCTTGA GGAGGAATTC TGGTTCTAT GGCTAGACTT TGGGGAGAAT GGGACTTACA
 101521 GACAGGAAGG CAGAAGGTGG TCAGTGAAC ACTTTATAA TCATAATCCC ATTTGAGTA
 101581 TTTCTGTGTT ATGGAATGTT TGTTCTCTCA TTCTGAAA GATTCCAGAG ACTCCTCATT
 101641 CAGTGTGTT AAAAAGTTCA GGAAATGCAA CTCAAAATG TGCCACTTTG TTACGCTGAT
 101701 TTCTTGAAAC TGAGGGCACC TAGGAAACAG TAAATTCAAG GAAGGGCTTT CGCTGAAC
 101761 TAATCAAAAA TTTGAAAATT AAAAAAAAT TCAAAAGGA ATTAGTTGT TAAGATTCA
 101821 TTCCCTGGGG AATCTCATCA ACCAGAGAAG ATTAACGTGTA TCACAGGAGA GGAGACTGGT
 101881 GGTAAACACC ATCTAACAG ACTTTGTCAC AGCTGTCACC TATTCTTGA AACACCCATT
 101941 TATTTTCTC CAAATCATA TACTCTCCC TAAGTTGCCT ACATCCCCCT TCTTCTCCC
 102001 TTATGAATCA AGAGAGCTTA TAAGCTCTA CAGTCACTG GGATTTGGGG TATTCGCTTT
 102061 TCTTCCCTCC CACTCCCCCT CCCCTTTT TGTCTTGAG ACACAGTCTT CTGGCTCTGT
 102121 CGCCCACGCT GGAGTGTGGT GGCTCTATGT GAACTCACTG CAACCTCCTC CTCTCGGGTT
 102181 CAAGCGATCC TCCCACCTCA GCTTCTCGAG TAACTGGAAC TACAGGCGTG CACTACCAAG
 102241 CCCGGCTTTT TTTTTTTCTT TTTCTCCCCC GTTCTTTTT TGGTTATTTT ACTGGAGACA
 102301 GGGTTTCTCC ATGTTGTCCA CGCTGGTCTC GAACGCTGA CCCGCGTCC TCGGCCTCCC
 102361 AAAGTGCTGG TATTACGGGC ATGAGCCACT GCGCCCGATT TGAAGGACCT CTTAAATATC
 102421 TATTTAGAAA TTGGTCGGAG TCCACTCCTT TCCAAAACA TGAGTCACAA TCCGGGAAAA
 102481 GCACGAGCGG CTGAAAGTC AAAAAACAG AACAAAACCT CCACTCATGC TTAAAAAAGG
 102541 TATTTTGACA AAATCCTAAT CGGCCAATT ATTATTAGTA TTCAAGTCGA AGGCTCGTCA
 102601 AGCCAGACTG GGGATTGGGT CAAACATAAA CCTTACACCA GACGGAAGGA TTACATGCAA
 102661 ATGAAGGATG CAGATTCTGA TTTCCATTG GTTATTGAC ATTAGCCAAT GGGAGAATT
 102721 CTCACAGCCT ACCTCCAGTC AGTATAAATA CTTCTCTGCC TTGCGTTCTA ATGTAGTT
 102781 ATTACATTTC CTTGTGGCGA TTTTCCCTC TTATCAGAAG TAGTTATGTC TGGTCGCGGC
 102841 AAACAAGGCG GTAAAGCTCG CGCCAAGGCT AAGACTCGGT CTTCTCGTGC AGGTTGCAG
 102901 TTTCTGTGG GCCGAGTGC CCGCCTGCTC CGCAAAGGCA ACTACTCCGA GCGCGTCGGG
 102961 GCTGGCGCGC CGGTGTATCT CGCGGCGGTG CTTGAGTACC TGACCGCCGA GATCCTGGAG
 103021 CTGGCGGGCA ATGCGGCCCG CGACAACAAG AAGACCCGCA TCATCCCGCG CCACCTGCAA
 103081 TTGGCCATCC GCAATGACGA GGAGCTTAAT AAACCTTTGG GGC GTGTGAC CATCGCGCAG
 103141 GTGGCGTTT TGCCTAATAT TCAGGCGGTG CTGCTGCCA AGAAAACGTGA GAGCCATCAT
 103201 AAGGCCAAGG GAAAGTGAAG AGTTAACGCT TCATGCACTG CTGTTTTCT GTCAAGCAGAC
 103261 AAAATCAGCC TAACAGCAA GGCTCTTTT AGAGCCACCT ACGACTTCCA TTAAATGAGC
 103321 TGTTGTGCTT TGGATTATGC CGCCCATAAA GATTTTTG AGGTGTTTTT AATGGCTTT
 103381 AGTGTGGCAC TTTAGTAAT TTGTCCTGCA GAAATTAGAT CCATAGAAAC CTCAGGAATT
 103441 CTAGGTATGT GGGAGAAGTG CCATGAGCA CAAAACATGT TTACAGGGGT GATTGCGT
 103501 AAGTTTCACA CACAGCAGTT ACTACATTG AGAGGAAGGA AATTATAACCC ATGAGTGCAT

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103561 TCCTAACTAT CTTGAATGGA AGTGTAAAAA CCCGCATGCC CCACACAAGT TTGAATATGT
 103621 CATAACCATT GCTGTAGCAA TTAATGGCAT ACACAATTGA GAGCACACAC ATTACCACTG
 103681 AACATTTGAG TATGTATTTC CCAAAATGAG CTTTTTCCA GTTGGGGAT GTTTGCTTT
 103741 GTTTGGGGT GGAGTCTCCC TCTCGCCCAA GCTGGAGTGC AGCAGCGTGA TAACAGCTCA
 103801 CTGTAACCTC GAACTCGGGC TCAAGCGATC CTCTTGACAG CCTTCTGAGT AGCTGGGATT
 103861 ACAGGCGAGA GCCGCCACGC CGGGCTAACAGA GCATTTTCT AATTGCCAC ACTTCTTATG
 103921 CGACACCCAG AAAATACAA TTTAAATAA AGCGCATATG CAAATTCCC TAATCGTCTC
 103981 CAATATTCTC TGATTTCTT TTTATATTAA AACTAGAAC AATTGGAGGT TTCCGCGTTG
 104041 CTTTGTGTGG TTGAAATTAA TAAGACTCA GGAAACTTTT CCAGTACAAG ACTTGTCCAC
 104101 AGTGGATATA GCAGCTAACAGG GTTAAACAAA ATGACGTCAG AGTAGCTACG GTATGGCA
 104161 GGAGCCTCTC TTAATCTGCA ACCAGGCACA GAGATGGACC AATCCAAGAA GGGCGCGGGG
 104221 ATTTTGAAAT TTTCTGGGT CCAATAGTTG GTGGTCTGAC TCTATAAAAG AAGAGTAGCT
 104281 CTTTCCTTC CTCACAGAC GTCTCTGAG GCAAGCTTTT CTGTGGTTT GCCATGGCTC
 104341 GTACTAACAA GACAGCTCGG AAATCCACCG GCGGTAAAGC GCCACGCAAG CAGCTGGCTA
 104401 CCAAGGCTGC TCGCAAGAGC GCGCCGCTA CCGCGGGGT GAAAAAGCCT CACCGTTACC
 104461 GCCCCGGCAC TGTGGCTCTG CGCGAGATCC GCCGCTACCA AAAGTCGACC GAGTTGCTGA
 104521 TTCGGAAGCT GCCGTTCCAG CGCCTGGTGC GAGAAATCGC CCAAGACTTC AAGACCGATC
 104581 TTCGCTTCCA GAGCTCTGCG GTGATGGCGC TGCAGGAGGC TTGTGAGGCC TACTTGGTAG
 104641 GGCTCTTGA GGACACAAAC CTTTGCCTCA TCCATGCTAA GCGAGTGACT ATTATGCCCA
 104701 AAGACATCCA GCTCGCTCGC CGCATTGCG GAGAAAGAGC GTAAATGTAA AGTTACTTTT
 104761 TCATCAGTCT TAAAACCCAA AGGCTCTTT CAGAGCCACC CACTTATTCC AACGAAAGTA
 104821 GCTGTGATAA TTTTTGTTG TCTTAACAGA ACAAAATTCT AAGGACCCCC CCGGAAAGCA
 104881 TTAGACTATG GTCTTAAAGT TGATTAACAG AAATAACGGT TTGGTCAGTC TTGCAGTGTA
 104941 GGTTATTCTC GACCTTATTA AGGTGCTATT TGGAGAGAAC CTGTGTAAGT CCACTATCAT
 105001 TCAGGCCCTC AGCTTGCTAT GATTAGCATT TGTAAACACA ACTTTGTAAG AGTAAGGGAA
 105061 AAATCTGGTA AGTAGTTAAC TGGCGCTTAC TAGGCATTTC TGAAAGCTT TGAAAAGATT
 105121 AGAAAATTGT GTCTTGCAG TTCCAGTGT TTCCCTAAAA TGCTTAGGAA GATTTTCTCA
 105181 GCTCAATACA TAGTCCCCCTA GGTTTCTCA TATATTATAT ATATATATAT ATATATATAT
 105241 ATATATATAT ATATACTGTT AAATTCAATT GGCTGTTAAC ATTAACCTGA AATTATTCT
 105301 GGTGCAAAT GTGAGGCAGG GATCTAATG GCTCTCATT TATCCATAGC TAGCTACCCA
 105361 CTTTAAATCT GTCAGTCTGT CGACCAAGCA TAATTAAATC CCTTATATAT GAATTTTTAT
 105421 ATGTGTGGCT TTGCTTGTAA ATAGTCTATC TGGTTGCATT GCTTGTCTC CTCTAGGACT
 105481 ATGCACCATG ACATGCCACA TTCTTTTTT CAGTACTTCT TGCCTGTAGT TATTAAAATC
 105541 TAGAATTTCAC AAGTTTAAAC CATTTCCTT CTGTTGATCT TGCTTTCGG TTTGGAGGT
 105601 TGGGGATTGA GTACTGGAAG AAAATTAGA GGGATGGAA TACTGTACGC AAACAAAAGT
 105661 AATATTACT TTAAAATTAA TATATTGT ATTGTTTAT CATATAGCTT TTACATCACA
 105721 TTTTACAGAC TAACTTTAGA ACAACCACAG AATGTCCAAC ATTAAAACCA CTAATTCCAA
 105781 AGACCTTGCC TCACATTCTT TTTTACAATA AATATTTTT ACACCTAACAA TTCTTTCTTG
 105841 GCCTACATCT AGAATGTAAA CTGATGTACC ATACTAAAAT CGCCTGACCA ACTGTCAACA
 105901 ACAACAAATC ACACACACAA AAGATCAAAT TTGAATTGCA TCGTTTACTT AAATTCAATT
 105961 GTGTTCCAGC TTTAATAAG GCAGTTTTG GTTATAAAAG TAATATTGC ATTAAAGAAAA
 106021 TTATGAAAAT GAATATGTCA GTTGTGTTA TGATTGTT TGCTTGACTC TTATACAAGC
 106081 GACTCTAATC GGCATAGACA TTTGTTATCC ACAGACAGTA TAGATATGTT AGAGATGCCA
 106141 ATGGACTTGG TCTATGCCAA GGTGACTACT CACAAGCTCT GGGCCAGCT GAAGGTCAAG
 106201 TATTTTTTTT CCAGTTATAG ATGTGCTGGA TCTGATGTAT AGCGCTGAC TTTTTATATT
 106261 TTCTTTATCT GTAGGAAACA AATGTGTTGG AGGTACTGGG TCTGACCAAT AGCATAAAAG
 106321 AATAAAGTTA CATTACTGTC TGAGGATCAG ATGGACAGGG GGTGGTAGCT CAGTCCAGCT
 106381 ATTTTCCACT CCCTCACTTA CATTCTTGC CCCCTCCTCA ACAGAACAAAG GATTCTGCTG
 106441 TAACTCTTCA TTGACAGTTG ATATTAAAAA ATTAACGAAT GGATGAAATT CTCATTTGTG
 106501 AAAGAAAATT TATTGAGCAT TTTGTATTTG TGAGTAGTGC AAACATTAA ATATTATATT
 106561 AAGAATCTAT TGTTTGTAT TAGAGGAGTA ATTAAGGAGA GATTGGAGAC AAAAGGGGG
 106621 TGTTGTTGC AGAATATACC ATCCAAAAT AGACCACTGT GGGATCAGGA TTCTTTGAG
 106681 CTAAAGGCAC TTCAAAAACA GCATTCAAGA AGGAAATTCT TCTAAACTTT TCTTCTGAA
 106741 AACAGGAGAT AAAAGTTCCA ATGTGAAAAA TGCTCTGCTT GTACCAGGTG AAAAGACATA

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106801 TTCTTCAGCC CAGAGGCATA GATGAGATAA TTCTGCACAA ACACAGCAGG GAGTCATAGC
 106861 CGAGAGACTT CTATACACAA ACAAACCTTG TTAAAATAAT CATATATTCC TTTAATCTCC
 106921 TCATATGGTT TACCTTCCCA CAATTGCCCTC TCTTTAACTT AATGTGAAAG CATTAGCTT
 106981 TTGCCATTTC TTTGGGGCTT CACTTTTA TGAGGGTTCT CCTGTCCCCT AAAATTACA
 107041 TTAAATACAT TTGTATGCTT TCATTCTGCT AATCTGTTT ATGGCAAATG AATTATCAGG
 107101 TCCAGCTGGA GACCCTAACAA GAGTAGAGGT AAAATTTCG CTCCTACAA GATAGAGATT
 107161 GTGTGCATTA AATGTTGTTT GTTCCCAGTT GTTCAGTTG TCAGGCCTCT GAGCCGAAGC
 107221 TAAGCCATCA TATCCCTGT GAACTGCACG TATGCCCTCA GATGGCCTGA AGTAACTGAA
 107281 GAAACACAAA AGAAGTGAAA ATGCCCTGTT CCTGCCTTAA CTGATGACAT TACCTTGTGA
 107341 AATTCCCTCT CCTGGCTCAT CCTGACTCAA AAGCTCCCCC ACTGAGCACC TTGTGACCC
 107401 CACCCCTGCC AGCCAGAGAA CAACCCCCCT TGACTGTAAT TTTCCACTAT CTACCCAAAT
 107461 CTTATAAAAC GGACCCACCC CATCTCCCTT CGCTGACTCT TTTCGGACTC AGCCCGCCTG
 107521 CACCCAGGTA GAATAAACAG CCTTGTGCT CACACAAACC CTGTTTGATG GTCTCTTCAC
 107581 ACGGACGCGC CTGAAACAGT TTAACAGGGT TTTTCCTGCC CAGTCACAAC AAAGTGTGATG
 107641 TATGCTGCAG GCTGAAGTTT ACAGCTAATG CTGTTGAAGT CTAAAATCAG TTTGGTTTG
 107701 TTAGATTGG GTGAGATGGC TAAGATTCTC AGAGAAAGAA GTCAAGTTG GGGTGCATT
 107761 TTCAGACTTA AAAATTAGC AGTAGCCCTT GCAGTTTTTC CAATAGAAGT GATTTACGAA
 107821 TGTTTCAGG AAAATTAAAAA CAACAGTGAG AAGCGTGTAT GGAGAGTTGA ACTACACTCC
 107881 AGACTTGCT ATAGGAAAGC ACGAATGCTG CTATTGTATT GCACCTTGGAA AAAGAGAAC
 107941 AAGGAATATT TTCCGACAAT TTTAACATGT CACATATGAA AAGCTAAACG GAATCTGTCA
 108001 ACACCTTGTGTA CGTTATTACA GGCTGTGATT TTAAAAAAAC AATCCTTACT AATACATACA
 108061 TAGTTGCTGC TAGCAATATA GTGTTGGGAG TAAAAACACG AAAATGAGAG TTCAAGGACAA
 108121 TATCCCAACT CTGAGCAGAT TTTTTAAGT AGTAACATCT AAAATTAAAC CATATTATGT
 108181 AATATTATT TCTTTTCCAC AGTCTCTTCT CATGCCTCGT TCACATTAGC TAATTAAAAG
 108241 TCCCCTGAGT ATCATCATAA CCCGATTAC AGATGAAGGC ACGGTTGCAA TGAGCTATCA
 108301 CCCTCTTCTG AATGAGACAG TACAGTGTGA AGGATAGCAA AACTCCACTC CCATCCTCTT
 108361 AGGGCTCTGG CTGGACCAGC AAATTAAATT AATGTAAAAT GGATTAACAG GAGAAAGGTA
 108421 TATGCATTTA TTTAACACAG GTTTTACGTG ACACAGGTGC TCTCATAAGG TAATGAAAGC
 108481 CCAAAAAAAAG CAGTTAGCTA CTTATATAAT GAATTGGACA ATTAGTAAAA TGAAAAATG
 108541 CGCTAAAGCA AAGGGATTAA GGCTAGAATA TATAACTGTG TAGAGAACCG CCCAGCAAGG
 108601 GCTAGTGCAA GGTTTGTACA GAATTCTCTT GGCCTCAGCC TCCTATCCTT GAGAAGAATG
 108661 TTGCTTTTT TAAACTACAG TGAGAACATC TTTCATATGA GAATTTCACCG TACTGCTTCT
 108721 AAGAAACAGG TCAGCTTCA AGAAAACATA AGGCCAGAGT GATCTTTCA CGCCTGCTCT
 108781 TTTAAGTACC TTTGAATAGT CAATATGTCT TCAAGCACTT GAAAGACTTA AAAAGTTTAC
 108841 CACTCCGGCA TATTAGTGA AGCCCTTAAT ATAAGCCCTT ATTAAAATTC TCAGTCGAGG
 108901 GTATAAATTG AGATTCAAAT AGTAGTGTG TAAACGGGAG GGAAAACATA AAGGGATTAA
 108961 AAGTGAAAC TATTGTGTT TCCCTCGCAG TCCCTAGGTC ACTGCCCTC GAGGGGCGGA
 109021 GCAAAAAGTG AGGCAGCAAC GCCTCCTTAT CCTCGCTCCC GCTTTCAGTT CTCATAAAGG
 109081 TCCGATGTTG TGTTAAAT GCTCGTGGCT TGCTTTCTT TCGCGTACCT GGTTTTGTT
 109141 GTCAGCTGGT TAGACATGTC TGGTCGCGGC AAAGGCGGTA AAGGTTGGG TAAGGGAGGT
 109201 GCTAAGCGTC ACCGAAAAGT GCTGCGGGAT AACATCCAAG GCATCACCAA ACCGGCCATT
 109261 CGGGCCCTTG CTAGGCGTGG TGGGTTAAG CGAATTTCGG GTTTGATTG TGAGGAGACT
 109321 CGTGGCGTTC TCAAGGTGTT TCTGGAGAAC GTGATCCGGG ACGCCGTGAC CTACACGGAG
 109381 CACGCCAAGC GCAAGACTGT CACTGCCATG GATGTGGTTT ACGGCCTCAA GCGTCAAGGA
 109441 CGCACTCTGT ACGGCTTCGG CGGTTAATCT TTTCGTCACT TTTCTTCAA TGCCCTTTT
 109501 TAGGGCCGCC CACTCCCTCT CAGAAAGAGC TGTGATTGTA TTCTTTCGGA TGTAACATC
 109561 TCAATGGCTT TACTCGGCTA TTCTGCCATG TATGTAGAAC TATTATAAAC CAGTTGGGAG
 109621 AGACCAGGTT GTTGGTCTG AGTGGCTGCT AAAGCAGAAA TCAGCTAAGT AAACGAGGTC
 109681 TCCGAGATAA GTGAGCTATA AACTTCAATG CTATAGTTT GACATGTCAA GCAACTTAAC
 109741 GTGCAGCGCG AGTCCGATAA ATGAGTAGCT CAGCTTTTA GTTTAAAAA CGAGTTGTGC
 109801 GTTATTGTA CGAGAGCCTA AGATGCTAGC TGCCTGGAAC TGAGTAGGTG GATTAAAATG
 109861 GGTGTCAGGT CTGTTTCCC AGGCGTATCT GACTTAACGT CAGCAAAAGC TGACTTTTA
 109921 GCTTCCCTGG TAACACCTGC CGTCCTTAAC CGCCCCCTGC CGGTAGCGCC AGAAGCCTT
 109981 ACTTCCATTGATTA CTAGTTGAGC TTGGCGTCCCT GCTGAGTGAC GTCACCTCCCC CCTTCTGTGG

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110041 AGTAGGACTG GCGGTTAAAG CTGCTTGCT ATTTTCAGTC CTCAGGCTGG AGGCTCCCT
 110101 AAGCAGGCTG CCTACGCAGT TCGTAATTC CCACTTAGTA GACTAAGGGA GTCTGTTTA
 110161 TAAATAAGGA CTCAAATTTC TTCTGACTCC GAGGTCCGTG GCAGCAGCTA TAAGATGGAA
 110221 GCCCCCTCTG ATGTAAGATT CTCAGATGAC TTGCATCTTC ACTGTACCTG TCAACCCAAT
 110281 AGTCTTCTAT TCCTGCCTTA AATTGTAAAT TCCAAAATCTG ATTTAATTGT GAAAGTTCA
 110341 AACTGTACGA CCTAGGAAGT GTCAAAGTTA GGTGACCAGA TTTTACAAG TCAGCCAAAT
 110401 ATTCAAGCATC TTTGATTTAG TAACAAATAT ATTGATGGCT ACTTCAGCAA AAAAATCAA
 110461 CTTTGTTC TGTTTACTTT GCTAACAAAGC TTCTCCTGAC AGGAGGATAT AGTGAATAGG
 110521 CAGTTGAATA AGTGAGTTCG GGTGAGAGGT CTGAGCTGGA GATAAAAATG TGTGAGTCAT
 110581 CAGCAGATAA ATAATGCTG AGACCAGATG AGATGGCTAA AAACGTAAAC ATAATGTAGT
 110641 GCAGCATTGT TTGTAATAGT AAATGAGTGG CAACTGTAAA GTTTTCATCA GAAAGGACTA
 110701 GAGTGTACTA TACATCCATA AAATAGAGTA TTTCTCTACA CAGCCCTACT AAAGAATGAG
 110761 AAAGCTGTAC TCCACTACAT ACTCTGGTGT ACTCTGGCTC AGTTCTGGA CTCCCTTTT
 110821 CTTGGCTAAC TCAACTGGCC TCACCACTTA CATGCTCTGT GCTCTGCAA ATAGTTGTT
 110881 CAACAGAACCA CCACGGCCTA GCTGTAAGTG CCACTGTTAAC TTCTAGCAAT GCCAAAGCCT
 110941 GTGATAGTGG CAGCTTCGGG CTGTTCTCA TTCCCGGGAT GCCTAACAC CTCTCCAAAT
 111001 TCTATCAGTT TGCTTCCACC CACTTCAAGC TTCAGAACGA AACATAGAGC TTAAGAAATA
 111061 TAGGCCGGC AAGGTGGCTC ACGCCTGTAA TCCCAGGACT TTGGAAGCT GAGCCTGGTG
 111121 GATCACCTGG GGTCAAGGGGT TCGAGACCAG CCTGGCCAAT ATTGTGAAAC CCCGTCCTCA
 111181 CTAAAAAAA AAAAAAATTA GCTGGGCATG GTTGCAGGGCG ACTGTAATCC AAGCTACTCG
 111241 GGAGGGTGAG ACAGGAGAAT AGCTTGAAC CGGGAGGCAG AAGTTGCAGT GAGTTGAGAT
 111301 CGCGCTATTA CACTTAGGCC TGGGAGACAA GAGTGAAACT GTGTCTCAA ATAAGTGT
 111361 GCAATTATAA ACCATCTCCC TGACCTTAAA TCTCTAGACT CATATACAAC TGCATATTTG
 111421 ATGTATCTAA TTGAATAATG GGCATCTCGA ACTTGTCCAA AATATGTTA TACGTAAACA
 111481 CCAAGTCTGT TCTTCCTCTG ATATTTGTCA TGTCATCAA TAGAACTCCA TTCTTCAGC
 111541 AGCTGGGCC AGGAATTGTG CAATATTGTT TGTCCTGAGC TTCTTACAAC TTTCACCCAA
 111601 TGCACTCAGC TCTGTTGAAA ATCAATCAGA ATACCTTTCA TTGTTTCTT TGCTGCTTCT
 111661 CTAGGAGCAA GCTGCCATGG CGGTTTGTCT GAATGACCAC AGTGAACCCCA AACTGGTCTT
 111721 TGTTTCTACT TTTAATCCCC CTGTCATACA GTTTTCTCT ATCCAGCAGC AACAGTGATC
 111781 CTTTTGAAG GTATTATGTC CACTGTC TGAAAAGATT CCACTGGCTT TCCATCACCT
 111841 TCATAATAAA AACCAAGCATC CTTATCATAG CCTACAAAGTA AGATGACCAA CCATTACAGT
 111901 TTGCCTGACT CTCAGGGTT TCTCAGGGTG TAAGACTTAC AGTGCTGAAA CTTAGAAAGT
 111961 TCCAAGCAA CTAGGATGAG CTGCTCAACC TACTAGATCT GTACTCTGGC TACCCCTCTGA
 112021 CCTCATTCTC TTCCGAGTTC TTTCTCTCA CTGACCTTGC TGTTCTGGA ATGGACCAAG
 112081 CATTTCAGC ATCAGCACCT TTATATCTAT TCTTCTCCC TAGAAGGGTC TTGTCCTGGA
 112141 TATCTGAATG GCTCTAGATC TCATTTCTT CAAGCCTCTC CTCAAATACC AACCTTAAGA
 112201 AAGAGACCTC CCATAATCAT CCCTGTAAA ATAAGCTTT CTGCTCATTT AGCATATATA
 112261 TATATAGTTG ACTATCCTCA ATAGCATATA TATATAACAT TTCCCCCACCT AGAATTATAT
 112321 ATGTAATAAT ATATTTAAC AAAAATACAT ATAACTAGAT ATATTTTATT TTGTGTTTGT
 112381 TCTCTCTCCC CCAACTGGAA TATATTTT GAAGGTAGGG ACTTTGTTT GTCCCGAGAAG
 112441 TATCCCTAGC ACCTTGAACA GGGCTGACGT TTAACAGGTA GTTTATGGAG GTTGTGAA
 112501 TGAAAGGATG TGTGAATTTC CTATGTAAGT CTCCAGGCTC TCCACTAACG CCACCGAGAAT
 112561 GCTAACACAA TCAATTCCCC ATCTCATTC TTGACCTGCC ACTGCCTGAA GCAATCAGCG
 112621 TGCACTTCT CTTTAGAAAA TCTGGGGAT AGTCTAGGGG TTGCAAATTA AGCAACATTA
 112681 TCTTTGTTCT GAACAAGGAC TGCATGAGTG TTAGGACTGA AGAAGGCCA AGGTGGTGGT
 112741 GGGTATGCT AAGATGAGTA TGACATATCA GCAATGCTAT GAACATAGCA ATGCTATGAA
 112801 AGGCCAGGCA AAACGTAAACA GGAGCTAGTC GTGGCTTATT GTTACAACGA CTATACCTCC
 112861 CATATGGGTA ATCGATATCC ACACACCCCT CTACATTGAC TCTGGAATTC AGGAAAGGGA
 112921 ATTAAAATTT TCTAACTTAT GTACCCCAAT GATTCAACA ATATCTGGCA TATGAGATCA
 112981 ATAAATATCT TTAAATACCA AACTAAGAAA GACATAAAAT GACCCACCCCT CCATACCCAGG
 113041 CTCATTTTG CTCCTCTGAT TCCTGAAACT ATCCAGAATG CAGCTATGAA TTCTCTCCAT
 113101 TGTCAGTTT AAATTAAGCC AAGCTGGTA CTTGTGTAAT TCCTCAAGAA ATCCCTGGATG
 113161 AAAACTGTCA GGTGGAAAAG AGGACCTCAA AATAAAGAGA CATCCATCAC TGAAGCTAAC
 113221 ATCGTGAGGC TGAAATCAGT CCTATAACAA TGGTACCAAA AAGAGCACAA TGAGAGGCAT

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113281 TTGTGAATAT TTACTCAGAT GAGAGTAAGA TATTCCTCTA TCAGCTAAC C TGAAGTTCAC
 113341 ATCCCTTTTC CAGCTGAGTT CTGAAGCTAG ATGTACTTAA CTGGAACACA TAACTGCATC
 113401 AGGAACATCC TTTAAAAGTA TGGCTACAAT GGCGTGACTG GACAAACCCC AGGCTTCCAG
 113461 GTTTAGCACA GGTGGCCCTT CACAGACCAA CATTGCCTAT GCTACCAACC TCATGTCTA
 113521 CCACCCCTGCT TGCATCATTT CTCTCTCTGC ATATATAAAA ATATATGTGT ATGTATATAA
 113581 TCAGCTTAT TGATATTTAA TATACCACAA AATTGCCA CTTTAGGTAC AGTTCAATGA
 113641 ATTTTACCGT GTTTCTTAG TTGTACAACC ATCATCACAA TTTAATTTCG GAATATTCT
 113701 ATCACCCAAA TTTCCATTTC TGCGTAAAGG GGGAAAAAAA AAGGTTAACT GCTGAAGGCC
 113761 GCGGTAACAC TGAAAAAGGT GCCTTTCTC TCTAAAACAG ATTTTAATCT CCCCTGAATT
 113821 TAGTGTCTG GGTATTCCAG GAGTCTGAAT AGGGTTCAA TTTTCAGGGT CTTTTTAATA
 113881 GAGTAAAAGT GTATTGGTGG CGATAAATTT AGTATTGCTC TCAGTACATG ATTGAGGGAT
 113941 ACTTAAATGT CTCTGTGATT TTATTCATA ATCGCTAAA GATGGTTTT TTTTTCTA
 114001 AAACAGGGTT TTTGTTTTT CTCATAAAGC TTCTTAGCTT CCCCTCCGGC TCCCTGGCTT
 114061 GCCTCAGGAA ATATTAGCTC ATCAGTCTG ATTGGTTGAC AGCTACGAAT GGCCTCATTT
 114121 GATTGGGAG CGCTTCTTG TCCCTGGAA ACTAATACAA ATTTTAACA CTACTTTTT
 114181 TCCACTCTT CTTAGAGTT GGAATATCGT TGCTCCCCTA CCCATATGTA GTGAGTGGAG
 114241 GGCAAACCTG GAGTCCCCCT AATCTTCTT TTTTAGGATG TCAGCTCAGT ATCATTCA
 114301 TTAATTACAC ATTGAGCTC TTGACTTAAT GGATACAGCT CTTCTTTGT TTAGTTGGC
 114361 GGCCTGAAA AGGGCCTTG GTTCAGAAAT GCAAGCTGTG GAGAAATCAG CAACCTTAAC
 114421 CGCCAAAGCC ATAAAGGGTG CGTCCCTGGC GCTTAAGCGC GTAGACCACG TCCATGGCAG
 114481 TGAETGTCTT GCGCTTGGCG TGCTCCGTAT AGGTGACAGC GTCACGGATC ACGTTCTCCA
 114541 AAAACACCTT GAGCACCCCG CGAGTCTCCT CGTAGATCAG ACCAGAGATC CGCTTCACAC
 114601 CGCCACGCCG GGCCAGACGC CGGATGGCCG GCTTGGTGAT GCCCTGGATG TTGTCACGCA
 114661 ACACCTTGC G TGCGCCTTG GCACCCCCCT TACCCAAACC CTTCCCGCCC TTACACGTC
 114721 CAGACATGAC TTCCCAAGAA GTGAACCAAG AGCAAGTGAG AGAATAGGAA ACCGATCTTT
 114781 ATATATCTAC GTTACCCCTG CCCCCCACCTC CAGCGGACAC AGAGACTGAA AAGCGCGCAG
 114841 GCGGGAAATG TGACGCCTAC AGTCCGCTCC TTTAACCCCT CCTCCAAGCC CCAGGAAATG
 114901 GCGGGAGCAG CGATTGGGG AGGGTGGGA GATGAGGGTG GGACCAAGCA GGCTTGACCA
 114961 ATGGCTTTA TTTCTTAAC AGAGCTACAG GCTTGAGGA ACTGGTTAA GAATTAAATG
 115021 TAAACCCATT CTGACTCCAG AATTATTTA AGTCGAACCTT TTTTTTAAC CGAATCTCTC
 115081 TGCGCCAG ACTGGAGTAC ATTAGAGCCA TCTCGATTCA CTGAAACCTC TGCCCTCTCAG
 115141 GTTCAAGTGT TTCTCCTGCC TCAGCCTCA GAGTGTACCT GGGATTACAA GCGCTCGCCG
 115201 TCGCGCCCG CGTGTGTTTG TATTTTCGT AGAGACGGGA TTGGCCATG TTGGCCAGGC
 115261 TGATCCCGAA CTCCTGATT CTGGTAATCC GCCCCGCTCA GCCTCTAAA GTGCTTGAAT
 115321 TACAGGCGTG AGTCACCGCG ACCGGCCGAA ATCGATTGGT TTTGAAGCCT TCAGTAGCAT
 115381 TAAAACGAAA AGTGTCTCCA ATGCATTCCC TTTGTCTTA AATTGGTTTC TTACAGCTAC
 115441 TTTACTGAA AAGGTGGTGG CTCTGAAAAG AGCCTTGCT TGGACCGTCA GAGAGACCAC
 115501 AGTAATCACG CCCTCTCTCC GCGGATGCGG CGGGCGAGCT GGATGTCCTT GGGCATGATA
 115561 GTGACGCCGT TGGCGTGGAT GGCGCACAGG TTAGTGTCTT CAAATAGCCC TACCAAGTAG
 115621 GCCTCGCACG CCTCCTGCCAG AGCCATCACCA GCGGAGCTCT GGAAACGCAG GTCTGTTTA
 115681 AAGTCCTGCG CAATCTCGCG CACCAAGCGC TGGAAAGGTA GTTTACGAAT AAGCAGTTCA
 115741 GTGGACTTCT GATAACGGCG GATCTCGCG AGAGCCACGG TGCCCGCCG GTAGCGGTGG
 115801 GGCTTTTCA CGCCGCCGGT GGCGGAGCG CTTTGCGGG CTGCCTAGT GGCCAACGT
 115861 TTGCGTGGCG CCTGCCACC AGTAGACTC CGAGCAGTTT GCTTAGTGCG AGCCATGAC
 115921 GAAAAACAGC ACAGCGGAAC ACCAACACT AGCGCAAATA CGCCCATGAG CTGCTCTATT
 115981 TATAGTGTGT AAAGTGCAGT GATTGGATGA TAGAAGACGC TAAATATGAC GTTACACACT
 116041 CTGATTGGTC TATCTTAAG CCAGCAACAA TCGTGCAGTT TCACCGCTA CTATATTCTA
 116101 TTCCAACCTC ACAGATGATT ATTTAAGTGG TATTTTATTA CTACTATTAT TTTATTTTAC
 116161 TTTTGCTTTG TTCCCAAGC TGGTCTTAA CTTGGGCTCA AAAGATCTC CCGCCTCAGC
 116221 ATCCAGAGTA GCTGGGAGTA CAGGGGAGCC CCACTGCGCC GGCTTGGACT TTAATTTTT
 116281 AAACTGTCC TCTTCTACAT CTGGTTTCA TAACTGAAG GCTGTGTTA TTTCCATAA
 116341 AACAAAGGCAT TGATTCCAAA GGTATTATAA TTCCCCAATT CCGTATAACC TTCAGCTCTT
 116401 TAGGAAAAAA AAAAAAAA AAAAAAGAGG GAATACTGCT CACCTCCTCT CCGGAAATGT
 116461 ACCCTTACG GGAATTCTG AAACCTTCA CAAGAATTGG ATTCCCTTGT AATGCTTAA

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116521 TTGACTTCTAGG AGTGTTATTG AAATCTACAA AGCATCTCAA ACATAGTAGG ATTACACTAT
 116581 TACTCAGAAA CATTTCCTAT GAGACGTCTT TCTCTTGATT ATGCTCTTG AATCCTAAAC
 116641 TTGCAGCGTT CTGCAGCTTT TGTTTCTAA AGCCTAGGTG TACTCTGCCA GTCAACAAAT
 116701 GGCCTTCTC CAGCACTGCC GCCAGGTACC ACCAGCTGGG AGTTGTTCCCT CTTGCGGAGC
 116761 AGGAGGTGGA CTTGGCCCAA GAGAAACTGG ATAGTGGTTC GCAAGGAACA TAATTTAGCA
 116821 TTGCCAAGAG CTAATGCAAT CATTGAAA ATCTAAAC ACTGAAAAGT GGATTGTGAC
 116881 CTTTTAAAT TCACAAGAGA CAGGCCACAT TCTATCTTT GATTGGTTA GGCTATTTTC
 116941 TTGAACAGCC ATTTAGAAAG CAGATCTATC ATCCTTCATT TGCATGGAGC GTTCCCATT
 117001 TATTTGAAAC CAGTTAACCA CAATAGAAAA AAGGGAGGCA GAACCCATTA TTTAAAGTGG
 117061 AAACCTCTGA ATCAGATAAT TAGGAGTATT TCCCTTCAA AAGTTCGTT TTTTCAGATA
 117121 CCTCGCTTAT TACACTAAGA AAGGTTATA TCTTCACAA AGGGTTACT TACAAAAATC
 117181 TTCCAATTT GTATACCTGT GTTTCATAAC TGACTAGCCG TCAAACCAAG ATGTAGAGTT
 117241 TCCAACCGTT ATTTCCAAA TTTTAGAAA TTACGTGAA TATTTGAATG CATGCCCTCT
 117301 CAATAAAATG GGACGTAGGA AGCACTGGT CAGAAGATGG GTACAATACT TATCTGGAC
 117361 CACTCCATTA TTTGGTTGGC ACGTTGTTG AAGAAAAAGG GGAAAGCTC AGGTTACTTA
 117421 GCATGGTTCG GACTTATTG AAAACTACCA CAGCAGGAGC GGAAATAAGA CCGCATTAC
 117481 TCACTCTCTG CTGTGCTGTG CTAGGGGGTT ATCCAGAATA GGATTGTAGA AGTGGATGTC
 117541 GATTTAATAG TTTTTTATTG TCCCATTAGC TGAGTCTCTG ATTGGCAATG TGAGATCGTT
 117601 TTAGCTTATT GATACTTTGA AATGCACTTA ACAGCCACAA ACAAGTTAAA GGGTTGTTAC
 117661 CATAAAATCT TATCCCCAGG GTGTGCTTGC ATTATATCACC CGTGTGTTGC TTCACACTAA
 117721 GTGGACTTAA CTCCCCAGCA GAATGCCTGT CAGGGAACCG GTTTGTGGA CCCAGCATT
 117781 AACGCCCTTC GCAGGCTTGT GAGGCCATA AATATTTGTT GAATAAAAGA ATGAGTTGAC
 117841 CATGTATGG TGCGCTGATT GCGTGTGCTG ACATGGAACA CAGGTTGTAACCTTAATAC
 117901 CAATTGGGG CATGTTGTAT GGATGAAAAG GGCATTGGAA ATTCCTGAAG TGCATCCCAC
 117961 ATTGGACTGT GGAAATAAGT TGCAAGTGCA GAAACGTTC CACACTGCA GTTTGAGTAT
 118021 TAATTGCAGC GTTGTGAAT TCTGGTGTG TCTACGATTC ATTCTTGTGTT GACGTGAAAG
 118081 GTATTCGCGA GACACATCGC TCTAAACAT TGCCAGAAAA TGTAATAGAG TTGATGACAA
 118141 CTGGCCCTAA CACGGCCTAA AACTCGCACT TTTCTCTCCC TCCGCAACTA TTCAAAACAC
 118201 TGTATTTTAC ATTCTTGCA ATTAAAAAAC TAACATCTCT GGCAACGGAC CTCTAAAAAT
 118261 TTCTAATAAA ACTCCTCGGA TGCTTGCGC ACTGCATTG TAAACCGCCC CCTCTCAACC
 118321 TACTCCCTAA AAAAGAGCTG CTTTTTGAGA GAGAAGCGGT ACCCTCTGAT GTACTGGGC
 118381 GGCAGTCGC CTACAATTTC CTTCACAAATG AGGCAACCAG AGCGGCTTT TCTGTGTGTT
 118441 TGCTTGCCTT GAGGGGAGCA GGACCATAGG CCCTAGAGGC CCCCAGCTGC CTTCTGAGAC
 118501 TGGGCGAAAC CCTCGGCAGC GCGCAGGGGG CGCTAGGGCG CGAGGGCGGG GCACTGACGG
 118561 GCACCAATCA CGGCGCAGTC CCACCCCTATA AATAGGCTGC GTTGGGCCT TTTTTTCGCA
 118621 TCCCTGTTCTG TCAGGTTTAT ACCACTTAT TTGGTGTGCT GTGTTAGTCA CCATGTCTGA
 118681 AACAGTGCC CCGCCCCCG CCGCTCTGC TGCTCCTGAG AAACCTTGTGAG CTGGCAAGAA
 118741 GGCAAGAAA CCTGCTAAGG CTGCAGCAGC CTCCAAGAAA AAACCCGCTG GCCCTTCCGT
 118801 GTCAGAGCTG ATCGTGCAGG CTGCTTCTC CTCTAAGGAG CGTGGTGGTG TGTGTTGGC
 118861 AGCTCTTAA AAGGCGCTGG CGGCCGCAGG CTACGACGTG GAGAAGAACAC ACAGCCGCAT
 118921 TAAGCTGGGC ATTAAGAGCC TGGTAAGCAA GGGAACGTTG GTGCAGACAA AGGGTACCGG
 118981 AGCCTCGGGT TCCTTCAGC TCAACAAAGAA GGCGTCTCC GTGAAACCA AGCCCGGCGC
 119041 CTCAAAGGTG GCTACAAAAA CTAAGGCAAC GGGTGCATCT AAAAAGCTCA AAAAGGCCAC
 119101 GGGGGCTAGC AAAAAGAGCG TCAAGACTCC GAAAAAGGCT AAAAACCTG CGGCAACAAAG
 119161 GAAATCTCC AAGAATCCAA AAAAACCAA AACTGTAAAG CCCAAGAAAG TAGCTAAAAG
 119221 CCCTGCTAAA GCTAAGGCTG TAAAACCAA GGCGGCCAAG GCTAGGGTGA CGAAGGCCAA
 119281 GACTGCCAA CCCAAGAAAG CGGCACCCAA GAAAAAGTAA ATTCAAGTTAG AAGTTCTTC
 119341 TAGTAACCCA ACGGCTCTT TAAGAGCCAC CTACGCATT CAGGAAAAGA GCTGTAGTAC
 119401 ACAGATGAAA TCCCCCAAGC AAATGCAACA CGCCCTCAAT TATATTAGAA TCACTTGGAG
 119461 AGTCGATAGA ACTTTAACAT AGCCTCATCT AGTAAGAATT TACTACTCAA TCTATCAAAG
 119521 ATAGCAAGGT GAATTCAAAT GCACCGAGTT AAAATCGAGT TTTAAAGTCA CCTGGGTTTC
 119581 GGTAGCCGGA AGTCCCGCGT CTCACGACTC CAAGCTAATT AGTCATAACC GTATTGAACC
 119641 AAGGTTGAAG CCCAGTCCCA GGCTTGAGGC TTTTATTAT ACAAGGTTAA AGTGGGGATA
 119701 TTGCGTTTG GGGTCAATAT TGCTAAAGTA GCATTTCCG AAATTGGGTG GTCCCTAAGAA

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119761 ATGCTTCTGG GATAAGTTGGC AAAATATATG GCTTAACCAC GCCCTCTCCA CAGGAGTGGC
 119821 TAGCGAGCTG TCTGTCCCTG GGAAGGACGG TGACCCCTGCT GGCCTGGCTG GCGCCCACGT
 119881 TGGCGTCCTC TGAAAGCCCC GCCAGGTAGG CCTAGCTCGC TTGCTTCTG CAGCGCCATC
 119941 ATGACAAAGC TTTGAAACGC AAAATGCTTT CTGGTGCAG CGCCTTACCA TGGGTGCACT
 120001 TACGGGCTGT CGACTTGGTT TAGGCCCTTG TCAGGACAAA GGAGCTTAGT TTGTTGGAGT
 120061 TTTAGAGCTG CAACCCAAAA TCCCTTGCTC GGTTCCTCTG TTTTAGAAA CGGAAGCGCC
 120121 CTGATTGGAT ATTGAAAAT TACTGTGCTT AACTGGATCG TGTTTCATCA ATCGTGCAGG
 120181 ATTTTCAACC CTGGTGGAGC CCACACATTC AAAACTGAAG ATCCTTTCT CAGAACTGCCC
 120241 CCTTTAAGCT TTTGCAATT TAATTCTGGG GGTCAAGATT TAATAATTGG ACTTTTTGT
 120301 TTACATCTGA CAAGAGTATA TGATGAGCCA AGTTTACTCA CTTTACTTA GTGCAGTTCA
 120361 ATTCTAAAAG TTTATTTTG CGTGTGTGCA TATGAGTTAA TAATCAGTTG TATTTTCAA
 120421 ACGGTCTTT TTCAATTGTT TTGCTTAGCT CCTTCCATCG TCTAAAGTCA GGGATACAGG
 120481 CACATCACAT CCCTGTTCCC CCTTCCTCAA ACTAATATGT AGCTACCTAG GTTTATCCTT
 120541 TAAAACAAAA ATTCTCACCT ATTTTTGTGA GAAATATACA TGTTTTCTT TGAACTAAGT
 120601 ATTTTACATA CACCTATCTA TATACATGCA TACTTGTGGT TTTGTTTTT TAAAAAAA
 120661 AAAAAAAAAC CACGTTATCT TTTGAGACTG GGTCTCAGTC TGTTGCCAG ACTGGACTGC
 120721 AGTGGCATAA TCACAGCACA CTGTAACCTC CAACTCCTGG GCTCAGGCTA TCCTGCAGCC
 120781 TCAGCATCCG GAGTAGCTGG GATTGCATGC ACCGACCACCC AAGCCGGGCT TTTGTTTT
 120841 ATTTTTGTG GAGACAGTCA CACCATGTTG TCCAAGCTGG TCTAGAAATG GCCTCAAGTG
 120901 ATCATCGACC TCCCAAAGTG TTGGGATTAC GGTCACTGTG CCTGGCCTTG TATGCATAAT
 120961 TGTTTTGTCT TTTGATTAGG GTTATTAATT TAAAAAACAA AGCCTGGACG CAGTGGCTCA
 121021 CATCTGTAAT CCCAGCACTT TAGGAAGCCG GATGGGCAGA TTACTTGAGC TCAGGAGTTC
 121081 AAGACCAGCC TGGGCAACAT GGTGAAATCC CATCTTGACA AAAATACAA AAAATTAGCA
 121141 AGGCCAGTG GCACGCACCT ATAGTCCCAG CTACTTGGGA GGCTGGGGTG GGAAGATGAC
 121201 TGGAACCTGG GAGGTAGAGG CTGCAGTGAG CAGAGATCGT GCCACTGCAC TCAAGCCTAG
 121261 GTGACAGAAT GAGACCCAGT CTCAAAACAA AAATAATAAA AATTTTTTAC AACGATGTTA
 121321 TATACACTTC TGCATGTTGC TTTTCTCTTA ACCAAACTTT TCTAAAACCC TGTATGAAA
 121381 AAAGAAATCC TTCACATGGA ATAGCATAAG TTATTCTATT ATTCTTATT GATAAGCATT
 121441 GATGTTTCCA GTTACCACTG CTGAACATGG TCCAATTGAA TAGAATTCCA GGGCTGAGAT
 121501 TGCTAGGTTT TAGGTTGTAT TTTATTATT TATTATTATA TTTATTATT TAGACAGAGT
 121561 CTTACTCTGT CACCCATGGT GGAGTACAGT GCCATGACCT CAGTTGCAAC CTTGCTCC
 121621 TGAGTTCAAG CGATTCTCAT GCCTCCGGTC TCCCGAGTAG CTGGGATTAC AGGCACCTGC
 121681 CACCAGGCCT GGCTAATT TTGTATT TTTAAGGAGATGG GGTTTCACCA TGTTGCCAG
 121741 ACTGGTCTCA AACTCCTGGC CTCAAGTGAT CTGGCCACCT CGGCCTCCCG AAGTGTGGG
 121801 ATTACAGGTG TGAGCCATGG CTCCAGACCT GGACTTTGTC TTCTGTTCA TCAGTCCTTC
 121861 TGTTGGTTCA AGCACAGTAT CACACTGAAG ACTGATGATT CTATATAAT ATGGTAAAGA
 121921 CTGTACACCC TAACTGTTCT TATTTTTAA TTTAAGGCA ATTTTAGATT CCAGCTTCC
 121981 AAAGAATTGT GGAATGCTTA GAGCTAGAGA AGCCTGGAA GTCATTAGT TTTGTTTG
 122041 TCAGAGAAAA TTCTGTAGAG ACTCTGTCCT GCTCTCACTG AATACCACCC CATACTACCC
 122101 CCCAACAGCT TTAAAGGGCA ATAATACCTT ATGGACAGTA TGCTTTCC CAAATATATT
 122161 CTAAGCCATG GTCAATGCAA AAGAGTGAGA AGGAAAGTAG AATAAGTTAT CTAAGAATCA
 122221 GTGGGTGCTC TCTTAAACT GATTTATCAC TCCCCCTTCC AAACCTCTTT GAAGGTCACT
 122281 CTGCCTCCCT TTCTACATAA GAACTCCTAA CTCCAAGGGGA GGAAGGTAAG TTATTCTTAT
 122341 TCCTTGCTTA GAAAAGAGA AAATAGGTTT GGTAAAGCATC CGCTTCTGC TACCATCTC
 122401 TGTGTTCTG TGTTTTTAT AGGATCATTG AATTATTGGT TGGCTCTTGA GAGGGAAATGC
 122461 AAGGTTCAAG GACACAAGGCC TAGATCTTGC CTGTATAGAA CCTCATGATG TTATGCTTCT
 122521 CTAAAATGAG GCCTGGAGGA GACATGTTGA AAGTGAACCA TAAATCTGCA GTATCTCATG
 122581 TCTCTCAATG GGGACAAGGA GTACCAGGG AAATAGCATT AGGTCAATGA CAGTAACAAAC
 122641 TCCCAGGTGA GTTGATTAT TCTTTTATT TAAAGTTGT TAATATGCTA CATAGTCCT
 122701 AATTTTGCCA CAAATAGTCA TTATTTAAT TTCAATTTC ACTATTGATA ATGAAGGAA
 122761 AAAATGAGTA GCAGTTAACG AGTCCATAAA CCTACATATA AAGCAAATTG GAGATTTAA
 122821 AATTGATTCT GGATGCTTAA AATCCTCTC ATTGAAAAAA AATTCGTTAT TAGAAGATT
 122881 CAACATTCTT TAAACTGAGA AGCATAACAT ATAAACAGAA AACACACAGCA AAACAAAAAT
 122941 GCAAAGCTCA ATAAATGAAC ACAAAAGTGAA CACCATAATA ATTGCCACAC AAGTAAAAAA

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123001 ACAGAAAATC AGCCAACCCCT CCCAGAGCTG CCTGATGCTT GCTTCCAGTC ACATTATCAC
 123061 TCCATCTGCC CTAAACATAA CCCCTATTTT GATTTCCAAT GCTGTAATTT AGTATGCCGT
 123121 TTTTGAAAC ATATAAAATG GAAATAAAC AAATGTAATC CTATGTACCT GACATATTC
 123181 ACTCCAGAAC ATTAGGTTTG AATAGATTCA TCTGTGTTGC TGTGTATAAC TTAAATTCA
 123241 TTTTATTGTT ATGTAATATT CCATGTTATG AGTGAACCAA TTTAGGTGTC TACTGTTGAT
 123301 GCATATTGCG TTCCCTTTT CAGCTAATAT AAACAATACC GTGAATATTC CTGTGTATGT
 123361 GTCTGGTAT ATATAGGAAT ACATATTTC TTTGTATACC TAGGAGAGGA ATTGTTGGGT
 123421 CAAATGCTAA ACTCTTTTG AAAGTGGTGA TATTAGGTTT ACATGCGATG AAATGAAAAT
 123481 TAAAACCACA GTTATAAACA GCATGGATGA ACCTCACAAA CCTAATGTT ATGGAATCTA
 123541 GCTGGGAATT CCTGTTCTTC CATATACTTC CCAATATTTC TTTCCAATTA AAATTGTTAA
 123601 TCTTTGAAAG ATGTTATCCA TTGTGGCAGA TGTGCAGTAT TATCTCATTA TGTTTTTATT
 123661 TTACATCTT TGCCCATTTC TTCTTAATTG GATTGTATAT CAGTCGACTT GGGCTGCCAT
 123721 AACAAAAATA CTAGACTAGG TAGCTGAAC AAAAGGAATT TATTACCTCA CAGTTCTAAA
 123781 GGCCAGGCCA GAAATCCTAA ATTGAGGTGC CAAGAGATTG AGTTCTAGT GAGGGCTCTC
 123841 TTATTGACCT GAAGATAGTT GCTGTCTTAG ATTGTTGGT GCTGAACAGA ATACCAGAGA
 123901 CCAAATAATT TATAAAGAAT ACAGATTAT TTCTTACAAT TCTGGTGGCT ATAAAGCCTA
 123961 TGGTCGAGGG GCCCACCTCT GGCAAGGGCC TTCTTACTGT TATGGCAGAT GTGAGATGTC
 124021 ATCTCATATT CAAACCACAG CAGTCGCCTT TTGTGTCCTC ATGTGGCCTC TTCATATGCC
 124081 CATAAAATGA CCTCATGTCT TTTCCTTTT TTATAAGGAC ACCAGATCTA TCAGACTACT
 124141 GGCTACTCT TATGACCTCA TTAAACCTTA AATATCTCCA TAAAGTCCC AAATCCCTAT
 124201 CTCCAAATAT AGGCACATTG GGTGTTAGAG TTCAACATC AATTTGGGG GAACACAATT
 124261 TAGGCCAAAA AGATTGTTT TTTCTTGTT GGTTTAAGAT AGCTGTCTT TTGTCCTTT
 124321 TGTCCCTTCT TTTTTTTGAA GGTGGACTCT TGCTGTGTC CCCGGGTTGG AGTGCAGTGG
 124381 CGCTGTCTCA GCTCACTGCA ACCTCCACCT CCTGGGTTCA AGAAATTCTC CTCCCTCCAA
 124441 GTAGCTGGGA CTACAGGTGC ATACCACCGC GCCCTGCTAA TTTTGTTATT TTGATAGAG
 124501 ACGGGGTTTC ACCATGTTGG CCAGGCTGGT CTCAAACCTCC TGACCTCAGG TGATCCACCT
 124561 GCCTCGGCCCT CCCAAATG TGAGATTACA GGTGTGAGCC ACCAAACCTG GCCTGTCTTT
 124621 TCTGTTTAA GTTTTAAAT TTTGCTCACG AACCTTTAT CCATTTATG TGTTGCAGGT
 124681 ATTTCCCTTG TAACTGTC TCACTCTGTC AGAGGCTGGA GTGCAGTGGC ACAATCACAG
 124741 CTCACTGCAG CCTCCACCTC CCAGGATCAA GCGATCCTCC CATCTTATCC TCCTTAGTAG
 124801 GTGGGACTAC ATGTGCAGGC CACCATGCC AGCTAATCTT TGTATTTTT TGAGAGATG
 124861 GTGCTGTGTC CCAAGTTGGT CTCAAACCTCC TGAGCTCAAG CAATCCATCA ACCTTGGCCT
 124921 CCCAAAGTGT TGGGACTAGA GGTGTGAGCC ACCACTGCAC CCAGCCAATG ATATCTCATG
 124981 ATGCATTAATT GTCATTAATT TAGTGTACTC AAATTAAGCA CACTGCCCT TTATGCACAA
 125041 CCTTTTTGT ATCTTATTAA AAAAATCATT TTCTATTCA AGGTCAATGAA GATCTTATT
 125101 TATAATACCT TCTGTGAAA TTAGTTCTCA AGACTACCCT CACTCTAAC ACCAATTATA
 125161 AGTTGGGAGG TCTGTGGTTC CCAATCAACC TTAGGTTAGT AATTTGCTAA AAGGACTCAC
 125221 AGAACTTGCT GAAGCTGTTA GCCTCATGGT TACAATTAT TATAGGATAT ATAGCTTATT
 125281 ATGTCATTCC AATGCAATGT AAAATTATAC AACTACTTTT AAAAAGATTT TAGCATTGCA
 125341 CCCAACAAATT TCACTCTGAG GTATACAAAC AGCAGATATG TGTGCACATA TATACCAAGA
 125401 CACATACACA GCAAAATTCA TTGTTTGTAA TAGTTGAAAA GGGGAAACAA CTCAAGGAAT
 125461 AAAGATTAATG ATCAGCTGAG AAAAGAAACA CACAAGGCAG TATTATGGAT CGAATTGTAT
 125521 GCAGATCTCC CTTGCCCTCA GAAGATATGT TTAAAGTCCC AACTCCCAGT ACCTCAGAAT
 125581 TGTGGCCTTA TTTGAAATA GGATAGTTGC AGATATAATT AGTTAAGATG AGGTTATAGT
 125641 ACAGTATGAT GGGCTGGTGA CTTAGAAGAA GTAGTATATA TATATTTTT AATAGAACTA
 125701 GTATTCTTCT AAGGTGGTCA CGTGAAGACA GACACACACA GGCAGAGACT GCGGTTATGC
 125761 AGCTGCAGGT CAAGGAATGT CAAAGTTGC CAGCAAGTAC GAGAAGCTAG GAAGAGTC
 125821 GGAAGGATTT TCCTACAGGC TTCACTGGAA GCATAGATCT AATGATACCT TCATGTCAGA
 125881 TTTCTAGCTT CCAGAACTAC AAGAGAATAT ATTGTTGTT TTAAGCCACC CTAGCTTCTA
 125941 GCTCTTGTGTT ACAGCAGCCC TAGGAAACTA ATATAGGCAC AATCCAGGCA AGTTCCAAT
 126001 ATGAGCTTCC AGTTGTCCTC TCCCAGTAAT ATGAACAGTA TTACTTCCC AGCATTAAATG
 126061 TGTGACAATA CACATGACGT ACAGAGCAGT CCCCCACTTAT GCACAAAACA TATGTTCCAG
 126121 GACCTCCAGT GGATGTCTGA AACCATGGAT AGTACTGAAC TCTATATAGC TGTTTTTCC
 126181 TATACAGACA CAGCTATGAT AAGGCTTAAT TTATAAATTAA GGCACAGTAA GAGATTAATA

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126241 ACAATAAATT AGAATAATTG TTAAGAATAT ACTGTATAAA AGTTAGGTGA ATGTTTATTT
 126301 CTGAAATT TA CCGTTTATTA TTTTTGGACT GCAGTAGACC ACAGGAAC TA AAACCATGTA
 126361 GAAACCGTAT ACAAGAGAAC TGATTTAC CCGAGCCTCA GTGTGCAGTT TTAATGGCCT
 126421 GCCATGGTTG ACTGCTCACA TGGCGATCT TTTAGTCTAC CTCCACAGGT AGAGCTGATA
 126481 CTGTGTGGCT CAAAGTCCT ATTATAAAC ACATTGTTGA CTGTGTGGTG GTCAAAACCT
 126541 CCAGGTAAAC AAAGACACAC TTATCAGTGA GAACATTTCA AGGGCTAAA ATTACATCTCC
 126601 CAGTAGCTGA GGGCAAAGGC TAGACCTTT TTTGGTAAG ATAAATTTT TACCATATAC
 126661 TTTATTTGC TTTTCATGTT TAACTTTATT TTGCTTTCA TGTTAGTCC CCTGGAATTG
 126721 TTTTTGTGT ATAGTGTGAA GTAGGGGTC AAGTTCTTT TTTTTCCCT TTTGTTCTTT
 126781 TTCTGTTAA AAGGCTATAC AATTGTCCTA TGCCATTAT TTACAAAGAGT CCTTCACCA
 126841 TTGTTGTATG GTGCCACTTT AGATGTAAT CAATGTCAT ATTTGTTGA GCCTGTTCCA
 126901 TTCGTTGTC TATTTTGGA CAACACTGCC CTGATTATTG TCATTTATC AGTTTGATA
 126961 TTTAATAAAG CAACAGATT GTTATTTCG GCCCTTGGA TTTGTGTATT AAATTGAAAC
 127021 CCTGTTGTC AATTCTATA ATAAAGCTTA TTGGAATCT GATTAGGATT ACAATGGTTT
 127081 TGTAGATCAG TTTGGGGACA ATTAATACCT TTAAATATT GACCGCTCA ACTGTAAATA
 127141 TACTCCTCCA TTATTTAGTT TTCCTGTTA ATTATCTGA GTAATACATT ATAGTTTCT
 127201 TCGTAGAAGT CAGATACGTA GAAAATTCAA AGCCCAAGTG CAATAGCTCA TGTCTGTAAT
 127261 ACCAGCACTT TGGGAGGCCG ATGTGGTGG ATCACCTGAG GTCAGGAGTT TGAGACCAGA
 127321 CTGGCAACA TGGTGAACACC TCATCTCTAG TAAAAATACA AAAATTAGCT GGGTGTGGTG
 127381 GCGGGCACCT GTAATCCCAG CTAATCAGGA GACTGAGGCA GGAGAACCGC TTGAACCCAG
 127441 GAGGCAGAGG TTGCACTGAG CCAAGTCCCT GTCACTGCAC CCCACCCCTGG GCGACAGAGC
 127501 GAGACTTCGT CTCAAAAAAA CAAAAAAAG AACATTCAA TAATCAATGT AGATAATTCA
 127561 AATAACTAAA AAATGAACAG TTATTAAT ATCAGGATAT AAAAGCAAA AAATCAATAA
 127621 CCTCCATATA TACAAAATGG CCAGTTAGAG AAAAAAAAGAATAGCGA GACTTAAAAA
 127681 GGCTGGGAAT CTCCCTGAAA ATCTTGAGA GCCTTGGCCC TGCCCTCAGG GATTCTCTG
 127741 GCTTCATGCC CAGATATGGG TACAGTTCCCT TGTTAAAAA AATTTGCTC CATCAATCAA
 127801 CAAGGGGCTC CTTCTCAGA GCACAAGGAC CTCCATAACA CCGGACACTA GATGTCTAAG
 127861 GGACACCTCT TAAGGAAGTT AGACTTCAA AGAATGGTGT TTCCTCTGTC CCCAAACTCT
 127921 GGAACTCACA GCACAACCTGC TCCTTGGAGT TCGGTTCAA ATCTACAAGG CTGTCATGGA
 127981 GGTTGCAGAC CAAGTCCGTG GGCTCAGTGT CCGGATGTAC GGTGGCCTG GCACCTGAAT
 128041 GTGAGAACAT GACCTCCCTG AAACCACAC AAGTATTGTT TCATGTTATG TATGTTTTT
 128101 CTTATCTGAA ATTCTTTTC TTAAAAATT CAAATTACAT ATTTTCAAG CCCCTGAACA
 128161 AGCTTCATGA GCATTTATTG AACCCACAGC TTTAAAACC TACTGAACAC TTTGCTCTAT
 128221 GTTGTCTTC ACTATCCACC AATTATTAA TTATTGATCA ATATTGTTT CTTAGTGTG
 128281 GGATCATTTA TGCACTGATT TCTTTATAT TGCACTATTTT ATATTCTGC ATTACAGTTA
 128341 TTACATATTA CTTTGCTAC AGTAATAGTT CAGAAGTGT CATCCAAAT TTAGCTGTGA
 128401 AGTGGATGGA CTGAGGCAGA ACTGGAGGCA AGAAAATGTC ACAGTAATTC TAAAAAAGAT
 128461 GATGTACAAT TAGAGCAAGA GAGTAGCACT GAAATTGAAG AAAAATAGAT GCGTTTGAGA
 128521 GAAAATTAGG AGGTAGAAC AACAGATTAG ATGTAGGGAT GAGAAGGGTC AAAGATGACA
 128581 CTAGGGTTTT TAACTGGAGC AAGTAGGTAG ACAGAACATT TCTTCCTGAA AGGGCAGGTC
 128641 AGATCATGTG TTGTCCTAA GGGCATGAAG AGTAGAAAGC CTGGACAGA TCTGAGATG
 128701 ACCAATACCC ATGGTGCAGG GAGAGGGAGG GAGATCTGCT AAAAAGACTG CAAATGTCAG
 128761 GATAGTAGAA AATCATGAGT GTGTGATGTC CTGGAAGTTG AGACAGTATC ACATTTGAGA
 128821 ACATTTAAAT TGGTAACCT GACAAAACCT GGAGGCCAAC TGTGAATGCC CATGAGAGTG
 128881 AGAACCTCCC ACACTTTGT GGGCATCAGA AAGCCCCACCA GTTCCCTGCA GTGAAGATCT
 128941 GAGAAGGATC CTCTGTGGC TTTGGCAGGG AGAGAAGAAT TATTATGAAA TACACCCCAAG
 129001 AACCTTCCTC AAAACAAAGG CCTACTCTCA AGGGGAAAC ATTTTGCCAG AGTCTTATCC
 129061 CAGCTGGAG AAGGTAATT TTCCCACCTGC AGCCTCATCT AGGCTTCTG TCTCACTTAA
 129121 GGGAAAGAAAA TTAGTCAACA GGGATCAGAG CTTCATGAA ATAAATTGGA AATGGTGCAG
 129181 CCAGGAAAGG AGCAAAGGTC TGAGGAGGAG GAGAAGGAGG AAGAGGAGTT GTATCATTAT
 129241 AAATACTGTA GGAAGAGGAG GAGAAGGAGG AGGAGGAGGA GTTGTATCAT TATAAACACT
 129301 TGAGGAAGAG GAGGAGGAGA AGGAGGAGGA GGAGTTGTAT CATTATAAAC ACTTGAGGAA
 129361 GAGGAGGAGG AGAAGGAGGA GGAGGAGGAG TTGTATCATT ATAAACACTT GTGACGGTCC
 129421 CAGCCCCAAG ATATAGGCAT GCTAATAAAC TGAGGCTTAA CACTTTGACT ACAGAATGCT

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129481 GCTTCTCCCT AACACCATCA AGGCTCCAAC TGAATAACAA TGAATTATGA ATGAAAGAGC
 129541 TGTAAGGAGA GACAAAAGTT AGAATGAGAC AAGTATTGTT ATCTAGAGAT GCAGAAGAAGG
 129601 CAAGGAAGAT AACTAAAAG GCACTCTGGA TTTAGAAATA GGAAGTCATT AGTGACCTTG
 129661 TAAATAATGG AGCCAGAGGA ATACCAAGGG CAGAAGCCTC ACTATAGTGT GTGACACCTG
 129721 TCAGAGGTCA GGAGGTGTA CTGACTCTCC CACAGTGTGG CTTTGGAAAGA GAGAAGTCAG
 129781 CAGCTGCATG GAGATTGGG AGAGGGAAAG CTTTTTTTTT TTTTTTTAA TTGGAAAAGA
 129841 CTGAGCTATG TGTAATAGA ATAAGACAGG AAGAGTGTAG ACACAGGAA GAGGGCAGAC
 129901 AAAAACAAAGT GCACAGTTAT CTAAGGGAAA CAATGGGATC AAGCTGCAAG TATATAAACT
 129961 TGTCTTGATA GAAGAACCT TGATCTGGTT TATTCACTGT TTGGTCCAAA CCCACATCCC
 130021 TGTTCTGCCCT GTCTCTGACT TGCTCTGTGC CCCAGAAGCC CAGCTCTAC AGATAGCATT
 130081 AGCTGGGCAG CCCTGCCCTC TTGCAACAGC TGGATTGGC CAGTGTACAG CCCAGCAGGA
 130141 ATGTAGATGG CAAAGGAGAG AGAGGTTAGT GTACTTATTC CCTGCATCAC CCCCCTGCTT
 130201 GGTGGGCAGC TCTTCCTCCA CAGTCCCAGC TCTGGCTAG CTCTGGTTAC AGGTTCCCTC
 130261 CCATTGCCCTC TTCAGATTAA AAGGTGTGTC TGTCAAGGTA TAACTGGGAG CTAGAAATTG
 130321 CACTGAAATT GAACAAAGAA TTTTATGGGAA ATGGTTGTTA ACTAGTTATA AGAGGACTGA
 130381 AAATGGAAAA GTGGAACAAA CGTATCAGAG ATAGTAATGA CAGAAAGCAA CTACCACCTC
 130441 CAGGTTTAGG AGAACAAAGGA AAAGATTCTT TGAAGAGATC CCCAGAACTG GGACCTCTGA
 130501 GGAGTGTATG CTGGACCACT GATGATGATA TGTCTGTAGA TAGAGGCATG ATGAGGCTGA
 130561 TTTTAGGAGC ATGGAAGATC TCCAAACTGA AGCCAACACTGC TGTTACTGGA TTCAACTGCC
 130621 ACTGCCAGGT TGAAGAACCC ATTCTGTGAG GATGTCAACA AACAAAGTGG GAAATCTTTT
 130681 CACATCCTTC CAGCCCTCTA GTCTCCTCC AGTGTCTTCT ATTGGTAGGG TTGGGGAGG
 130741 TGGCTAGCAA AGCGGTATTG GAAAAGATAG AAGAGACTAA ATCTTCATAA CCAGCACAGG
 130801 GTGACACTGG ATCACTACTG TTGCTGATCT TGGGCTGCCT CATATCCCCT GTTCTTCCC
 130861 TTAGCCCTGT CACAACTTG TAGATATCCC TTCATTATAT GCCCTTCATA TATTCTTTG
 130921 GTTTAACCTT TTCTGTTGGA ATCCTAATAT GCCACTCCTC CATTTCAG GACAAAGA
 130981 GTATAAAAGA TTATCTTTA CCAAAAAAAA GACAAAAAAAC TGATCTAATT CCTGATTTGA
 131041 TCATTACACA ATCTATACAT GTATCAAAT ATCACATAGT ACCCCATAAA TATATACAAAC
 131101 TGTGTCCATT AAAAATAAAA ATTAAAGAAA AGATGGTAA TATAGCTCTG TCAGGCAGTG
 131161 GAGGTTTAC CACGATGGCT GTTATTCTCC CCATGAAGGG GGGAGTGAGG GAGCAGCTGA
 131221 AAGTAGGTGC TTATAGGGGT ATAGAGGGC TCAAAGCTTT GAGAGAGGAG AATGTCTGAA
 131281 AGAGCTGCCA AATAGCATGC AGGTCCCATG GGGGCAGAGC CTCTGCTCAT TCACCAGTGC
 131341 CTCTTCAATA TCTACACTTA AGCCTAACAC AAAGTGTGTC CTTAATAAGT ATTTGCTGAG
 131401 TATGTAAGT GGAAACAGAA CCAATCTGGC AAACCTTGTA GGACTGGTGG GCAATGAAGA
 131461 TCAGTCAGGT AAAATCTGTG GATATAAATT TATATTGATC AAAAATTCA AGGTTAGGTG
 131521 TTTTCTTCA GTCATGCTCA ACGATGCTTC AGCCATGCTC AACTCTCTG TAGCCACAGA
 131581 AAAAGTTA CCCATAATCG AGCTGTGTC GTGCTGAAT AATGAAAAGA CCATGATGCA
 131641 AGGGAGTTGG AGACACAGAA ACAGTGTGTT AAGTAATGGG TAATGGAAGC ATGCTACCAG
 131701 GGAAAGGAAA GAAGTGGCAA TAGGAAGGAA CAGAGATCTG TGGTCTTATG TCCCCTGAGC
 131761 ATATTACACAT GTTAAAGCTA ATTCACTTTT CAATCATCAT TAAAATTTG TCCCTAAATA
 131821 TATGCCATT ATTTCCACA ACCACACTAA AACCTTATTA CCTCTGGCAA GTGACTATGC
 131881 AAGTAACAA GAGCAAAAT ATCCACAACT ACCATTTGAG CTATCAATT AGGGAAAGTC
 131941 ATCTGGCTAT AATCTAAGTG ACCCTCCACT GAATGTCAGT ATCTTGCAT ATGTGATTAA
 132001 AATCTGGGCC TTCGCAACAC CATGAACACTGT TCTTGTCTTG AATATCCAGA TTGAAGGAAA
 132061 TAATCTGAGT AGTTACGAGT CCTGAAGCTA GAAAGATGGA AACCCCATTT GCTCATCAGA
 132121 AAGCCTTAGA GCTTGGCGC TGGCGGGTCC TGTCTCACCG GGACAGAGGG GCTCTTTCT
 132181 CCCCATCTGA TAGTCTGATA ACTAGAGAAG CCGGCCAACT TATTCTCCAA GAAGGAGCCA
 132241 TCTTAGTTCC TCCTGAAATG TTCATATTAA GAAATTATTG TTTGTCAGTA ATTTAACCCCC
 132301 TTAATGGCT TGCCCTGTGG TCCATACCAC TGAGTGCAGA GCTTGCCTGG AAGAATTGTG
 132361 AGGGCCATTC CATCTTCCAG GCAGTAGAGT TCAGTACTTC TTTAAATTG CTGCTGAAC
 132421 CTGTATTGAA AAGAAAGAA TCATTTGGGT GTGGTAGCTC ACACCTGTAA TCCTAGCGCT
 132481 TTGGGAGGCT GAGGTGGGAG GATCATTGAA TGCCAGGAGG ACCACTTGAG ACCACCCCTGG
 132541 GTAACATAGC AAGACCTGT CTTAGAAAA AAAAATACA ATAAAATAAA TACAATAAAA
 132601 ATAAAAGCAA AAAGAAAGAG TCCATCTTAG GGACAGACTG TAACTACTCA CTGGAGCTTA
 132661 CCTTTACATA GTTCAGGATC AATTATAATA AAACACTTT GTGCAGATTG AATAGGATTA

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132721 TTTTAATCCC CATCATCTCT CTGAGTTCC AGTCAGTTTC TCTGCATGTA GACACCCTTC
 132781 TCCAGCCAC CATTGTCTCT CCTCCTATAG CTCCACCAAC AAATCAGAAC TTTTCTAAC
 132841 TGACCTAGT GCACCTAGAG TCTACTCCAG AATGCTCATG GAGAAAGTTT CTGAAAGGTA
 132901 AAACTCTGAA TGATATTGT AGCTAAAGGG AGACTTGCTA GAGACAATAA GCTAATAGTT
 132961 GTAGACTTCA GTAGAAGAGG AATGACACTG CAATGTCAGG GTGCAGGACT TCAAGAGGGC
 133021 AGAGTATGGA AACCCAATGG GAAAATGCT CACCAGGAAC ATGAAGAGAA GGAATTACGT
 133081 GTAAGGATT TCTAATGTGT TCCCAAATTT GCCCAGCAGA GGGAGGCCCTC GGTTGATGG
 133141 CAGGCTGACC ACACAATTAA AGAAGGCTGA ACCTGGGGC TTTTACAAC CATCGTGGGC
 133201 TCTACTGTAA GCATTTAGAA AAAGAAAGTT ATCCATTCAA AAATATATAT ATTTTAAAC
 133261 TTCAGAACAA AATTATGAAG AGCTATATTT ACTTTCTAC ATTCTAATTT TTATAAATCT
 133321 GAGTATATTT TGCAATATATT GTTATAGTAC ATATTCAATT TTGTATTTTG CTGTTTTCAC
 133381 TTAACCATT TTACTAGATT ACTCTGTGTT CATAATAATC ACTTTTTAA AACTTTTATT
 133441 TTTATTTATT TATTTTTTT TTGAGTCAGA GTCACACTCT GTCGCCAGG CTGGAGGTGCA
 133501 GTGGCGTGT CTTGGCTTAC TGCAACTTCC ACCTCCTGGA TTCAAGCAGT TCTCCTGCCT
 133561 TAGCCTCTG AGCAGCTGGG ATTACAGGTG TGACCCACCA AGCCCGGCTA ATTTTTGTAT
 133621 TTTTAGTAAA GACGGGGTTT CACCATGTTG GTCAGGCTGG TCTCCAACTC CTGACCTCAT
 133681 GATCTGCCA CCTTGGCCTC CCAAAGTGC GGGATAATCA CTTTTATGC TGCATAATT
 133741 TTCAGATTG TCAGTACGAC TGTATTACA CTCATTGTT TTATTAGAAA GAATTCCAGA
 133801 ATATTTGGC TGCCCTAATT AATTTACAA TTAATATGAT TTTGAAATTG GGTATTGGCT
 133861 CCTTCTGAAT TGGTTTATTA AAATATATTC TAATGTAATT TATGACATT TCATCATATT
 133921 AGCATATTAA TTCTGTTAGA ATTTCATAAT TTATAAAGCT ACAAACTGTA TGTGATATAG
 133981 CTTGTAACCT TATCTCATAA CTTTATGCAG TTACAAGTAG AAATAAAATG TTCCCCTCAA
 134041 GATTGCTTAA AATTTTATTA TAAACAAGTG TAAAAAAACAA AATCACTAAA ACACCTCCCTC
 134101 TTTTTCCCCC CAAAATGCAT GTTTCCATT TAACAGAAC CGTATTTAAT CAGCAGATT
 134161 CTATGGTGGC TAGATTGTG GACTAAATAT TAAAAGTCCC AAAGCAAATG CATTTCCTC
 134221 TTAAATTAA CTGACTTTTT TTTTTTTCT TTTTCTGAGA CGGAGTCTTG CTCTGTCGCC
 134281 CAGGCTGGAA TGCAGTGGCA CAATCTCGC TCACTGCAAC CTCCGCCCTC CGGATTCA
 134341 CCATTCTCCT GCCTCAACCT CCCGAGTAGC TGGGACCACA GGCGCCCGCC ACCACGCCA
 134401 GCTAATTTT TGATTTTTA GTAGAGACAG GTTTTCACCG TGTTAGCCGG GATGGTCTCG
 134461 ATCTCCTGAC CTCATGATCT GCCCACCTCA GCCTCCAAA GTGCTAGGAT CACAGGCATG
 134521 AGCCACCGCG CCCCGCCTAC TGACTTTAT CCAAAGAAAA TATAAGAGCT CTTCATCATA
 134581 ACGTATGTTT CTTGCTCTTG TTATTAAATA TGACACATT AGACTAAAC TGATTGAA
 134641 GTTTATGACA TTGTTTAAGT TATTACATAA TTAATTCTATA AAGATAATGA CTAGTTGAA
 134701 CTACTGACAG CTCACACATC ATCAGTGAA CAGCAGAAAG CTTATTAAGC TACTTTCTTA
 134761 TGTTCTGTC TCCCAGCTAC TAAAAGAAC GAAACCCCTC CAGGTGTTAA GGCACAAACTT
 134821 TCCTCCCCCT TTCTTCTATA AATCTGATTC CATGTTAGTG AAATTCTAC TGATGGCTT
 134881 GGTTCCCTCT ATAGTAGAAT AGAGATCTA TGGCAAAAGT CATGCTGAC ATGGTAGCAA
 134941 ATAGAAATGG GGAAAAGGAA GGTCTGCAAG AGCCAAATGTG GGAAATGGGG AGAGGACTG
 135001 CTACAAAAAC CCAGCAGGAA TTCCAGAAGA AAACCTCTCA GGACGGGCAC ATTGGCTCAT
 135061 GCCTGTAATC CCAGTACTTT GGGAGGCCGA GGTGGGCAGA TCACTGAGT CCAGGAGTT
 135121 GAGACCAGCC TGGTCAACAT GGCAGAACCT CATCTCTACA AAAAATAAAA AAATTGTCA
 135181 GGCAGTGGTGG CATGCACCTG TAGTCCCAGC TACTCAAGAG ACTTAAGTGG GAGAATCA
 135241 CGAGCCTTGG AGGTGGAGGT TGGTGAGCCG AGATCACGCC ACTGCATTCC AGCCTGGCG
 135301 ACAAAAGTGAAG ACCCCATCTC AATCAATCAG TCTCCTGAA AAGCAACATT ATGGAGAGAC
 135361 AGGATTCCTG CAAGGCCTGG GGCACACAGG AAAATATTAA GGCAGAAGAG AGTTCCCTCC
 135421 CCACACCACA CCGTATCCCA CAGGCACCTGC GGATGTGCAT ATGCAAGAGG GGTTGATCCT
 135481 AAGAATTAG AGTCACAGAG GAGGAGGCAC CAAGCAGACT GTGGAGAAAG TCATGACCA
 135541 AAAGGGACAG AATGTAAGC TTCAGCTGAT TATCTGCCCT CAGGGATTCC AGAGGAAC
 135601 GTCCCAATGG TCTCCTGGT ATGTAGGTT TTAGGTTCT TTTACAGGGG TTTCTGGGA
 135661 GATCGTGAC CCAGTTAGCA TTCAAGCAAC TTCCACCCCTG CACTTTTATT CTTTCCCCCT
 135721 CACCTGCTTA GTTTTATCT GTCCAGGCAA TAATAATAA ATTATTGAGC CCTGGACATG
 135781 TACCTGTAAA GCTCCTTAAA GATGATGCCT TCTAACTCCT CATTCAACAG ATACAAA
 135841 ATTACAATAA AATGACTCAT GCAAGACACC CAGGTAGTT ATAGCAGCTA ATAAAAACAG
 135901 AATAACTATA AAATATGGTA AGTTTATAAA AGTTACATTG AGTATACTTT ATAAGAAGCTG

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135961 CTTATTGAGT TTGCCTAATA ACCACACAGC ACAATAATAA TATGTATATA TTTTTAAATA
136021 TGTGTAAATA TGTGTAAACAC AAACTTGTAG AAGGTATATC TGAGTACAAC CCTATTCTGT
136081 TTGGTTACCT TTTCTAGTTC ATTATGTAAG TGGCATAGCT ACCTAAGGAC TTATGCTTAT
136141 AAATGTTACT CAAAAAAATA CAGAGGACAT ATGTGGATAG ATAATGGAAG AGATAAGATA
136201 GGTAGGTTGA AGGGTTGGC TGCCCCTCCA CACCTGTGGG TGTTTCTCGT TAGGTGGAAT
136261 GAGAGACTG GAAAAGAAAAG AGACACAGAG ACAAAAGTATA GAGAAAGAAA AAAAGGGGTC
136321 CAGGGGACCG GTGTTCAGCA TACGGAGGAT CCCACCGGCC TCTGAGTTCC CTTAGTATTT
136381 ATTGATCATT ATTGGGTGTT TCTCGGAGAG GGGGATGTGG CAGGGTCAAAGGATAATAGT
136441 GGAGAGAAGG TCAGCAGGTA AACACGTGAA CAAAGGTCTC TGCATCATAA ACAAGGTAAA
136501 GAATTAAGTG CTGTGCTTTA GATATGCATA CACATAAACAC TCTCAATGAC TTGAAGAGCA
136561 GTATTGCTGC CAGCATGTCC CACCTCCAGC CCTAAGGCAG TTTTCCCTA TCTCAGTAGA
136621 TGGAATATAC AATCGGGTTT TACACTGAGA CATTCCATTG CCCAGGGACG AGCAGGAGAC
136681 AGATGCCCTC CTCTTGTCTC AACTGCAAAG AGGCGTTCCCT CCCTCTTTA CTAATCCTCC
136741 TCAGCACAGA CCCTTACGG GTGTCGGGCT GGGGGACGGT CAGGTCTTTC CCTTCCCACG
136801 AGGCCACATT TCAGACTATC ACATGGGGAG AAACTTGGA CAATACCTGG CTTTCCCTAGG
136861 CAGAGGTCCC TGTGGCCTTC CTCAGTGTGTT TGTCAGTCTG AGTACTTGAG ATTAGGGAGT
136921 GGAGATGACT CTTAACGAGC ATGTCGCCTT CAAGCATTTC TTTAACAAAG CACATCTTGC
136981 ACAGCCCTTA ATCCATTAA CCCTGAGTTG ACACAGCATA TGTCTCAGGG AGCACAGGGT
137041 TGGGGCTAGG GTTAGATTAA CAGCATCTCA AGGCAGAAGA ATTTTTCTTA GTACAGAACAA
137101 AAATGGAGTC TCCTATGTCT ACTTCTTCT ACACAGACAC AGTAACAATG TGATCTCTCT
137161 CTCTTTCCC CACAGGAGGT GATGGCCGGA AGAACATGGC AGAGGGCAAA ACAAAACAGC
137221 ATTGGGAACA AGCTCTGTTT AAAAGGAGAC TTGTGAACAG CAAAGAGTAG AAAGGGTTCT
137281 CTTACAACTG AAGCCCATGG AAGACAAATG TGTACTGCGT GAGTTTAAG GCAATAGGAG
137341 TAGTGGGACC TAGGGCACAC CAGAGAGCAT ATTAACTCTC AAACCTTTAA AAACATTATA
137401 TCTGCTGGAC ACAGTGGCTC ACACCTTAAT CCTACAACCT TGGAAGGCCG AGGCCGGCGG
137461 GTGTAGCTTG AGCCCAGGAG TTCGAGACCA ACCTGGCAA CATGGCAAA TCCCGTCCCT
137521 ACAAAACAAA CAAACAAAAA ACAAAATTAG CCAGGCACGG TGATGCGTAC CTGTGGTCCC
137581 AGCTACTCAG AGGCTGAGGT GGGAGGATCG CTTGAGCCCC GGGAGGTTAA GGCTGCAGTG
137641 AGCCATGATA ATGCCACTGC ATCTCAGCCT GGGCAACAGA GGGAGAACCT GTCTAAACAC
137701 ACAAAACAAA ACACACCATA CCCAACACAA ATGCATCTGT CTTAAGTACC AGTACCACAC
137761 CCCTCTACTC ACTACTAAAT AGGTGAGTTC CCAATCCCTG GTAGCAGGTT TAAGCATGTT
137821 ATATTAAAGG TCTTAGGCTA GTGACTCATT CACTCATTAA ACAAAACTCTT ATTGTGCATC
137881 TACTATAAAC TAAGTACTGT GCTAGGTACA AAAGCAAATA ATCTAAGCTC TATAAACTTT
137941 ACTTTCTTCA TCAACAAAAT GGAGATGTT TAGGCATCTA CTCATCATTC TGAGCTCCAT
138001 CTTTGTCGAC TGTAGTTGGC AGAGCTTTT ATCAGTTCT CTAAATAGCT CTACCAGTCC
138061 CTGGTGGATG CTGGCATGCC CAAAGGATCC ATCCTGATGG CCCTGTCTGC TTACCTTACC
138121 TGCCTGCCTT TGCAGCACCG CTCTGCTCTT CTGCAAGGACT TCCCTTATCC TTTGGGTCT
138181 TGCTGCTCTT AGGCTGCTCT GCTTGTGTTG ATCTGCTTTG CATCACATGT ATGTAAAGGT
138241 CCTTCCCTTA TTTACCCATG ACCAAGGTAT TATGAGATTC TGGAATTTC CCAAACACAA
138301 TTGATTGCTG GGAGAATAGA AGAAGTGGAT TACAAGTGGA ACTTAGAAGG GGAGTATTGCG
138361 AGAAGACGTC TCTGCAAATC CATTAGAGA GACCTTCTC CAGTGGTGAC TCAAAGATGC
138421 AGCTCCTTC ATCCTGTGGC TTGGCCATCT TCAGCACATG GCTCCAAGG ATGTCCTCAG
138481 GATGGTCTCT AATCCAAGGA GCCTGAAGAG AAAAAAAGGC ATGGAGTATT GTGAGTGGTA
138541 GGTGGTTATG GACCAGTTAT GGAAGAATAC ACATCACTT TGCCCCACCTT CTACTAACCA
138601 GAACTCACAC AGCCATAGAC ACTGACAAGT AGGACTTAAC AAGAACTAA TTTTGAGTCT
138661 AGGAATACGA CTGTAGCAAAT TATTTAACAG CTTCAAACAC AGGTGCATTG CTATCACTAT
138721 GCTTGGCCCA GGCCTGTCTC CCTTCTGC CATGTCACAG GGGCCAGCAT TTATGCTTAG
138781 ATTGGGTGG TTGGGATATT AAGACAATAA TGAACCAATA CAACATCTTG AGCATAAAAC
138841 CAACTGATAC AATGATGTAC AAGTCAGATG ATTCTGATGA TTATGAATT TGTCATAAAA
138901 AGAAATGTGA TAACTAAGGT AATTTTGTT TTGGCAAATT TTTGTTGTT CATGACAGGA
138961 TGAAATCCTG TCATTGCTAG CAACATGGAT GGAATTGCGAG GATACTACAT TAAGTGAAT
139021 AAGCCAGAAA CAGAAAGTTA AACACCACAT GTTCTCACTT ATATGCAGAA GCTAGCTAAC
139081 TAAGTAAATA AGTTTATCTC ATTGAAGTAA AAAGTACAAC AGAGATTACT AGAGGCTGGG
139141 AATGGTAGGG GAAAGAGATG ATAAAGAGAG ATTCAATTAA ATAAGTTACA GCTAGATAAG

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139201 AGCAATCAGT TCTAGTGTTC TATTTGTAAC ACAGAATGGC AATAGTTAAC AGTAATAAAAT
 139261 AATTCAAAG AGCTAGAAAA GAGGACATTG AATGTTTCCA ACACAAAGAA ATGAGAAATG
 139321 CTTGAAATAA TGGATATTCT ATTAAATTAC CCTGATCTGA TCACTATACA CAGTATGTAT
 139381 AAAAATAACA CTATGGGCTG GGCGCAGTGG CTCACACCTG TAATCCCGC ACTTTGGGAG
 139441 GCCAAGGTAA GCAGATCACT TGAGGTCAAG AGTTAGAGAC CAGTCTGCC AACATAGTGA
 139501 AACTCCATCC CTACTAAAAA TACAAAATC AGCCAGGCCT GGTGGCATGT GCCTGTAATC
 139561 CCAGCTACTC AGGAGGCTGA GGCAAGAGAA TTGCTTGAAC CCAGGAGGCG GAGGTTGCAG
 139621 TGAGCCGAAA TCGCGCCACT GCACTCCAGC CTGGGTAACA GAGCAAGGCT CTGTTTCAAA
 139681 AATAAATAAA TACATAAATA AATATTTTT AAAAAGAA CATCACTATG CACCCCATAT
 139741 ATACATATAA TTATTATGTC AATTGAAAC ATAATTGAA AAAATGAAAA AATGAAACAC
 139801 AAATATGAAT CAATCCTCTC CAAGTTGATA TACTTAAAG GAAAAAAAGTC CGAGGGCTTA
 139861 AACTATTCAA TCAAAATT TTAAATGCA TATAGTAATC TGGAAAGTAT TTCAGAATGA
 139921 ATTGGTATAA GGTTAGACAC AAAGATCAGT GAAACAAAAT AGAGAACCA GAAATAGATT
 139981 CACACATCTA TGGACAACTG GTTTGACAA AGGTGTCAAG GCTATTAAAT AAGTAAAAAA
 140041 ATCGTCTTT CAGTAAATGT TTCTTGAACA AGTAGACATC CGGTGTGGG GAGAGGAGCA
 140101 GGAGCCTTAC CTCAAACCTT ATGCAAAAT TAATCAGAA TAGACCATAG ACTTAAATGT
 140161 AAAAGCTAAA ATTATAAAAC TTCTTTAAA AATAGGAGAA AATCATCAAC ACCCTAGGAT
 140221 TAGCAAAGAT TTCTTTAAA CAAACAAACA GTTTTATAGT TTATAAAACA TAAATAACAA
 140281 AATGATAAAAT TTCATCAAAA GTGAAAATT GTTTTCAA AAACATTATA AAATGAAAAG
 140341 CAGGAGGCTG AGGCATGAGA ATCACTGGAA CCCGGGAGCT ACAGGTTGCA GTGAGCCAAG
 140401 ATGGTGCCAC TGCACCTCAG CCTGGGTGAC AAAGTGAGAC TCTTCTAAA AAATAAATAA
 140461 ATAAATAAAAT AAATAGAAAA GAAAAAGAAA AATCACAGGC TGAGAGAAAA TATTTATAAT
 140521 ACATGTATCT GACAAAGGAC TCGCACCTGG AAAATATAAG GAACCTTATA ACTTAGTAAG
 140581 ATGACAAGCC AAAACAAAGA GTAAAAGTTT TCAACAGACA TTTCACAAAA GAAAACATAC
 140641 AAATGCCAG TATGCACATG AAAAGATTTT AACATCATT AGTTACTAGG GAAATGCAAG
 140701 TCAAAACCAC AATGAGATAC TTACATTCA ACAGAATAGC TAATGTTAAA AGGACTGACA
 140761 ATCCCCAGGG TGAGCAAGGG TGTGGAGGAA ACTACTCTCA TATATTGTGA ATGTAAGAGG
 140821 ACAATGTTAC AACTACTTG AAAAAGTTT GGCTGTTCT AACATAAAAT TAAACACTTA
 140881 TACAGCCAG CAATATTCTT GGGTCATTTC TCCCAGATAA ATGAACACAT GTCCATACTA
 140941 TGACATGTAC AAATGTTCAT ACTGGCTTTG TTTCACAATG CTATAAACTG GAAACAACCC
 141001 ACGTGTCCAT CAACAGGTGA ATGGGTAAT AAATTGTAAT ATATCGGCC GACGCAGTGG
 141061 TTCACTGCCTG TAATCCAAA ACTTTGGGAG GCCAAGATGT ACGGATCACC TGAGATCAGG
 141121 AGTTTGAGAC CAGCCCATCC AACATGGTGA AACCCCATCT CTACTAAAAA ATTAGCTGGG
 141181 CATGGTCACG GGCGCTGTA ATCCCAGCTA CTCGGAAGGC TGAGGCAAGA GAATCACTTG
 141241 AACCGAAGAG GCGGAGGTTG CAGTGAGCCA AGACCATGCC ATTGCACTTC AGCCTGGCA
 141301 ACAAGATGGA AACTCCATCT CAAAAAAAAA AAAAATTGC AATATATCTA TATCTTGGAA
 141361 TATTATAAAG CAATAAAAGG GAATAAAACTA CTGATATATA CACAAAATGG ATGAATCTCA
 141421 AAAATGTGAA GGAAAATAAA AAATACATAT GATATAAATT CCATTCTAT GAAATTTTAG
 141481 GAATGGAAA ACTAAGCTGT AATTATGGAA AGTACATCAG TGGCTGCCTG GGGCAAGAG
 141541 GATGGAAGAG GCGGCACAGG TGATACTACA AATGGAAACT ATCTAGGTTG ACGGAAGTGT
 141601 TCTGTAACCT GATTACAGTA GTAACTGTT GGGTATATAA AACGCATCAA ATTGTATAAT
 141661 TAATACAGGT GTATTTACT GTGTATAAT TATTCTCAA TAAAGTTGAT TTTTCATTAA
 141721 ATATATTATT TGCTAAAATG AGGAGAGACA ACTATTATCT TAAAATAGTT AAGCACAATA
 141781 AAAATACTAC AATCAACTCA TTATATATGG AAATTAAAGG AGAAAATAG TGGTATGATT
 141841 AATTAAAATA AAAAGAAAAC CTTCTAAATT TTATCTTAGC TCATAGTTGT AAAAGCTGCC
 141901 ATCCCTAACC AAGGCCACCC TTGACCCCTT CTCATGTTCC ATCTTCTGT TTGTTTCATA
 141961 GTTTATGTCT CACCAAAATC TATCAGATAA ACGTATTCTAT ATGAAGATTT AAATATATTA
 142021 CATGTTAACG CTTAGCGAAT ACTTCATAT CTAAGAAGG TACAAACAAA ACAAAATCA
 142081 ACACTTAGTT ATAAGAGATT ACATACTCTC CAGGGAAGAC CTGAAGACTA GCCCCTTTCT
 142141 GGATCCCCTACT AGCCCCTCAT CCCACTCCAA GCCCTCCCCT CCAATCCCAT ATGCACTGGG
 142201 CATTCACTACA AATAAGACCA TCAGCTCTGG ATATCTGTAC TGATTGATGC TCCTGCTAAC
 142261 TACCTGAATG ATTGCGATGT AAGGACAGCA CTGCCTGAAT CCTATTATC TCTCGCTATG
 142321 CCATAGCGGC CTTCCATGCT GATGGCGTGT TTGAGGATCC AGAGGGTCT TTGGTTGGCA
 142381 GGATTGTTT ATTCCCCAA GAGGAGAGCC TTGATGCAAA AATAGGTGAA GAAATCAGTA

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142441 CAACAAAACA GAAAGCCTAG AAAACTACTAT GAACACAATA GAGCAGAACT AGCCTTAAGA
 142501 GTTGGTGGAG AAAGGATGGT CTATTCAATT ACCTGAGCTG AGAAACTGGC TTTCATATGG
 142561 AATAAAAATA AAATTATAGC TATACCCAT ATCATAACACA AAAGTTCTA CATCTAACAA
 142621 AGACACAGAT AGAAAATGTT TTAAAATTT AGAAGAAAAT AGTGCAGAAT TTTAGTGCAG
 142681 AATTCTTAG ACTAGATGCA AAAACAAAAA TGATTAAGT GGCCAGGCAC GGTGGCTTAT
 142741 GCCTGTAATC TCAGCACTCT GGGAGGCCGA GGTAGGTGGA TTAGTGGAGG TCATGATTTC
 142801 GAGACCAGCC TGGACAACAT AGTGAACCC CATCTCTACT AAAATACAAA AATTGGTAGG
 142861 GTGTGGTGGC TCACGCTTT AATCCCAGCT ACTTGGGAGT CTGAGGCAGG AGAATCACTT
 142921 GAACCTGGGA GGCAGAGGTT GCAGTGAGGG GAGATGGCGC CACTGCACTC CAGCCTGAGC
 142981 AACACAGCGA GACTCTGTCT CAAAAAAATC TAAAATAAA AAGATTATTT TTAAAAGACT
 143041 ATTTAAACA AAAAAAATCG TTTAAATGAT ATGATACACT ACATCTAATA TTGGAAAAG
 143101 TACTTCTAA TACTTTAAT AAAAAAGAGGC GCTGAGAGCA TACAACCTAT CCTCAGAAGA
 143161 GTGTTGACC TCTAGGAGGG ACGCAAGCGC GTTCTTCCTT CATTAACT GGTCATTTTC
 143221 ATTTATTCA GGAACATCTG AAGTAAACAC AGTCACACGT TAACCTTAA AAATCTAGGA
 143281 GGTGCGTACG CATA GTAGTTCCA TTACTTCAAT TTTGTACTT TTGCATTAA AAATATCACA
 143341 GGGAAAGCTCG GTACAGCTTC AAGGCTAGGA GGGGTGGCTC TCTCTTAAGC CCTGTCCCCG
 143401 CCAGCCCCAG ACCTCTCGTC CCGCCCCAT TGCCCAGTCC CCACCCCTCAC TTCCCCATT
 143461 CCCCCACTCCC GCGGTCTCTT AACGCACCTG TTTTCGTCC AGTGGACTCA GACCTGTACT
 143521 CTTCCACCAG GATCGGCTCC TTTCCGGAG CTCTCGCTCT TAGAGGAAAT TGAGAGAAGC
 143581 ATCAGCGGAG ACCCATCTGT GGCTCTCCAG AGGGCGCGGC ATTCAAGACCC CAGATCCAGC
 143641 TGTGAGAACG GACCCAGGC TCACACCAGG CCTGCGGGAG CGGGCCCAACC AGAGGCGCTA
 143701 GAAAACAAGC CTCGCGGGGA GGCGCGCAGG GCGACTGCAA GCTGTAGGGG GCGCTGGCGC
 143761 CCTCACAGGC CAGGGGCAGG GCGGGCGCTG CGGGCGGGGC TCCTGCGGCG TGAGGGCGG
 143821 CCCCCAGGCCA GCAGCTGCGC CCTGGCTGGG AGCCGGGGAG CATTGCTGC TCTGCTGGAC
 143881 CCTGAGTCTG GCGCGGGCG GCCTCCCTC CGCTCCCCGC CCGCCATCCC CCAACTCCCC
 143941 ATCTCTCTGC TGGCTCTGGC CTCAGGCTGA GACCCCAACG AATCATTCCC CGCATGGGAA
 144001 CATTATGAA TATAACTGAA TTCAGTTA TGATAACTG AATTACGGAT ATGAGAAATCT
 144061 CAAATGAGGA CGAATGGTTT TTACGCACAA AACATGAGAC ACAAAATCTGT AAGAAATATA
 144121 AAGTCGTGAC CACGTCTTT CAGAACTTTA ACCTGTTGC TGAAGTACGT CAGTAACAA
 144181 GGCAGGGAAA GGGTATCTTA AATTTCACCA CAGCCTCAAA GAGGCCATT CCGGGATCCG
 144241 CTGAGGCTTG GAGTCGGCCT TCTGACCACG AGTCCTGCGG CTATGAAAGA GGAAGCCCG
 144301 GTTCAGGGCG TCCTCGCGAG TCGCGCAGCC CGCCCTGCTC CAGCTGGGA CACAGGTGGT
 144361 CACGGCGCTT TCCAGCTGCA GATCCAGGCG GCAGCCCAAG ATTTGGTCCA GCCGCCAAGG
 144421 GGTGGCTCGA GTGACTGACG GGCCTGAAC GCTCCCAGGA CCCACATCTG GAGAGGGAGG
 144481 TGGGGTGGG GTGCTGAAGT CATTCTGGG GCCCCTGGGG GCGGGCATGG ACCTGGGTAA
 144541 GGCCAGAGAA ATTGACACCT CGTGACATCC CTGGAAGAGA AGTACGTTCA GTGTCACTCC
 144601 AGAGCTGAAA GATACCGCCT TCTGGCTGGT CCCTCCTCAC CTACATACTT TTCTAATTG
 144661 TCTGGAGCAG GCGGGGCATC TGTATTATCT GGTATTAA ATATCTGGTT ATTTAAAAGC
 144721 TCTCCATTAA ATTACACATAC ACGAAAATAA AAATTAAAAA AAATTAA AAAAAAGAAAC
 144781 AAAAGCTCTC TAATGACCAA GTCCTACACG ATAGTGAATA AATTTTTTG TGTGGTCCCT
 144841 AAAATTGAGT TCATGCCTT TCTGAAGTAA TAGACGCCA GAGAAGGGAT CGACTTACCC
 144901 ATCATGCCAC AGAGATTAAT TGGCCCCAGA ATTCTTTAGC AGACCGTGT A TATGAACGTC
 144961 CTTTGCAATC ATATAAATTA ACTGGGAAAA CCTCATTTAG TATGTTACAT GCCTAGCGTT
 145021 TTGTGCCTGA ACACCTTACA AGAACCAAGGG ACTATTGCC CAATATTATA TTTCAAGGAAA
 145081 GGAAGGCCA GACAAATGGT GTCACTGGTC CACTTCACC CAGTTGGTAA ATGAAACCAAG
 145141 AAATTATAGC TGTACCACAG AAAGGTGAAA ACGTTTCTTT TATAATTCA CATAACATCT
 145201 TTAATGGACC CAGTGTCCAA CACATTAAG CAAGTGCCTA GGAGTGACAT CAAGATGTAA
 145261 AAAATAGTCC TGTCTCTCAGG GAGTTAGGT CTGGAGAAA AGAGACCCAA GGAGACACAA
 145321 GACAAAGGGG AAAGAGAAGG AGCGCTGAAG ACTGAGGACC CTGCCTGTGG ACTGAAGTGA
 145381 GGATGGGGAC ACCCGATGCC CGGAATATGA CAGTTGGAG GGGCCTGAAG GACTCTTCTA
 145441 TTCTCTATCA GAAAAACAGA ATTACTCTCC TAACCAGAAA AGGTATTCA ATTTATATTT
 145501 TCCATCACAG CACTTTCTG GTGATAATT AATGTGTTTT AAAAAATGTA TCACAGTGTAT
 145561 GGCCTGGTGT GAAATAAATA ATAAAATTTT AAGAATTAAA AAATATAAAA ATCTTTTATA
 145621 TAGACATTAG GAGTTACAAG GATAACTGTG AATTATAATT AGTAATTAAA TTGAAATACT

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145681 GATTATTTTC ATTTTTATTT AATTATTTAA TAAAACCTAT TTAACATTTA ATATTTATCA
 145741 GTAATTAAAT CTAATTGTTA ATATTTATTA TTATAAATTA TTTTAGAATT AAAAATAAGT
 145801 GTAGAACCGA GGCATGGTGG CTCAAGCCTG TAATCCCAAC ACTTTGGGAG GCTAAGGTGG
 145861 GAGGATTGCT TGAGCCCAGT AGTTCAAGAC CAGCCTGGG AACATGGAGA AACCTGTCT
 145921 CAATACAAAA AAATGAGCCA TGTGTGGTGG TCGGTGCCTG TATTCCAGC CATTCTGGAG
 145981 GCTGAGGTGG GAGGATGACT TGAGCCTAGG CAGTCAGGC TGCAAGTGAGC CCTGATCTG
 146041 CCACTGCACT CCAGTCTGGG CAACAGAGCA AGACCCGTG TCAATATACA TATGGACAAA
 146101 CTTAAAATTT AAAATGAAAG CATACTACTG ATACAGAATT GAGTAGAGAT GCAAAGCTAG
 146161 TCCTATAACC AGAACAAATAA AGATAAAAAG GAGAGTGGAA GAAGGTATGT CATGAATTTC
 146221 ATGATAAAATG GCAATTGCAA ATATCCTGTA GCAGAACAAA ACAACAAAAT TGTAGATAAA
 146281 ACATATCCAA CCCTTGGAA GGCCAAGGAG GGAGGATTGT TTGAGCCAG AAGTTGGAGA
 146341 CCAGCCTGGG CAACATAGTG AGACCCGTG TCTAAAAGG AAGAAAGAAA AAAAAAAA
 146401 AGGATGATAA AGTAGACAAT ATTGAAAGCC ATTTCTGCA AATACATAGT GAATTGATC
 146461 AGTAATTTC TTCCAACAGT GCAAAATGA ATAGATATTA GTTGCTGAA ATAAAATCA
 146521 AATATCCAA AAAAATATT GACTATCTAA TAGTATCTAA GCTAGTAAAT TTGGCCAGTT
 146581 ATAAAATGTC TAAATTTTT ATTTAAAAAA AGAAAACCAT ATTTATAAGA AGAGGTGATA
 146641 AAGAGAAATT ATTCAGTTA TGAAGATTT GTTAGAAAAC TATGAGAAAA AACTATTTT
 146701 TTGTTTCAA AAAGTGAAG ATTAAGTAC CAAACAGTTG CTAAAGAATA CCAGATGGCT
 146761 GAGCGTGGTG ACTTATGCCT GTAATCCAG TACTTGGAA GGCCAAGGCA GGAGGATCAT
 146821 TTTAGGCCTG GAGTCGAGA CCAGCCTGGG CACTGTAGCA AGACCCGTCT CTATTA
 146881 AAAAAAAA AAAAAAAAG AATACCAGAC CTTGCTAACAA ATAGCAAAGA TCAATTAA
 146941 CAAAATTGA AAAACTGTAA TTTATTTAGC TTTAGAGTAC TCTCGTGATA TGAGATTGCC
 147001 AAATTAATAC TTTGGGTGCA TTTCTTTCT CAAAGGACTT GCAAATTAC AAAGAAGTGT
 147061 TGAAGAAAAG CCACACATTG GCAGGTAATG TTTGCAAAG ACAGATCTGA TGAAGAACAA
 147121 TATTTTAAAG ATATACAAAG AATACTTAA ACTCAACAGT AAGAAAATAA CCTGATTTAA
 147181 AGCAGGCCAA TGACCTGAAC ATCTGTCAC CAAAGAAGAT ACACAGATGC AAGTATGCAT
 147241 ATGAAAAGAT GCTTGACATC ATGTCATTAG GGAAGTCAA ATTAAAACAA GTAGATACCA
 147301 CTGCATACCT AGTAAATGA CCAAAATTAA GAACACTGTC AGCACCAAAAG GTTGCAAAGA
 147361 TATGTAGCAA TAGTAACCTG TTCATTACTG GTGAGAATGC AAAATGTGCA ATCACTTTGG
 147421 AAGACAGTTT GGTGGTTCT TACAAAAGTA ACCATACTTT TACCATAGA TTCA
 147481 ACACCTCTTA GTATTTATCC AAAGGAATTG AAAACTTATC TCCACACAAA AACCTGCACA
 147541 TAGATGTTA TAGCAGCTTT ATTCAATT TATCCAAAAC TTGGAACAA GATGTCTTT
 147601 AGTAGGTAAG TGGATAACTG TGGTACTTCT GAATAATGGA ATGTTATTTA GAGTTAAAAA
 147661 GAAATGCATT CACTTGGGA GGCGAAGTG GGTGGATTGC TTGAGGCCAG GAGTTGAGA
 147721 CCAGCCTGGT CAACATGGGA AAACCCCAAT TAGCCGGCA TAGTGGCGTG AGCCTGTAAT
 147781 CCCAGCTACT CGGGAGGCTG AGATATGAGA ATCGTTGAA CCTGGAGAT GGAGGTTGCA
 147841 GTGAGCCAGT GCCACTGCAC TTCAGCCTGG GCAACAGAGC AAGACTCTC TGTCTAAAA
 147901 AAAAAAAA AAAAAAAA AAAAAAGAA AGAAAAGAAA AAAGAAAAG AAAAGAAAA
 147961 GAAACGATCA AGCCATGAAA ACACATGAAG GAAACTTAAA TGTATGTTAC TAAAAGCCA
 148021 ACCTGAAAAG ACTGCATACT ATATGACTCC AACTGATGCA GGGCAAGCAA GCAAAATT
 148081 AGGGCTTAGC CCGGGAAGAA TTCAAGGGTG AAGTGGTGGT GTTAGCAACT TTTACTGAAG
 148141 CAGCAGTGTAA CAACAGCAGA ACAGGTACTG CTCTTGCTG AGCAGGGCTA ACCCATAAGT
 148201 AATGTGCCCA GAGTAGCAGC TCAGGGGCAG TTCTGAGTCA ATATACCTGC TTTTAGTTAA
 148261 GTGCATGTTA AGGGGGATTAA TGAGAAATT TCTAGAAAAA GAGTGGTAAC TTGGAGTAG
 148321 GTACAGAGGA AAGAACGTCGA TAATGTCCTG TTGTTGCCAT GGCAACGAAA AACTGACATG
 148381 GCGCTGGTGG GCGGTCTTA TGGAGAGGTG CTTAACCTC GTCCCTGTTT CGGCTAGTCT
 148441 TCAATCTGGT CCGGAGTAAA GTCCCTGCCT CCGGAGTTCA CTCCCTGCTTC CTGCTTCACA
 148501 ACTGTATGAC ACTCTAGAAA AGACAGTAAC TATGGACACA GTCAAAAGAT TAGTTGATAG
 148561 AAATTGGGTG ACAGGAAGTG TTGAAAAGGC AGAACACAGG ATTTTTAGGG CAGTGA
 148621 TCTGTGATAC TATAATGGTG AATACATGAC ATTATACATT TGTCAAAACC CATAGAAAGC
 148681 ACAACACCAA GAATAAACCC TAATGTAAAT TACAGACTTT CGTTGATAAT GACGTGTC
 148741 TGTAAGTTCA ATTGTAATAA ATGTAACACT GTGGTGCCTGG ATGTCATGG TGGGGGGAC
 148801 TTTTGCTTC AATAGTTACA GTTGAAGTAA ATGTTGTGT TTCCCCACAAT GCATATGTA
 148861 AACTCTCAC ATTCAATGTC ATGGTCTTTG GAGGTGGCCTTTGGTGA TAGTTAGGTT

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148921 TAGTTGAGAT CCTAGCAGAT CGAGTCTTCA TGATGGGCAT GATGGGACTG GTCCCTTATA
 148981 AGAAAAGACC AGAAAGCTAG CTCTCTCTT GCCATGTGAA GACATAGCAG GAAGGTAGCC
 149041 ATCTGCAAGC TAGGAAAGGG CCTTCACAAA GAATCAACTC AGACCTCAGA ACAGTGAGAG
 149101 ATAAATTGTC GTTGTGTTAAG TCACTCAGGC TGTTGTTATT TGTTTCAGCA GCCCAACCTA
 149161 AGACTGTAA TTGGATTAGA AATTTCTTT TGGGGATGGT GTGTGGCGGG GGTTGCGGGGG
 149221 AGTACCTTG TTAAGCTTT ATATCAATGA GTTTGTAGGC TTTTCTTTTT TGGTCATTGA
 149281 CTAGGACAGT TTAAATAGTA TGAGTGTGAA GGAGATTGTT GGTCACTCAT TCGATGTCCC
 149341 TTCTCTGTT TTTAATATGA GAACTCCTGA TTTTCAGCCA ACTACCCCTGG AAAAAAAAGCT
 149401 AATCTTCTG ACTTCTTAAG TGTGCCATG TACTAAATTG TGGCTAATGC AAGGCAAGCC
 149461 AAAGGTTTA TGATAGGTT TAGGACACTA GAGTAAAAGA GAGCTGTTGC ACACATGCTC
 149521 TTCACCCCTAC TTTTGTGTCC TTTTTCCAT CCTACAACCTT GGTTGTGAG TATGATGGCT
 149581 GGAACCTTAG TGGCTCTCTT GGATCCCAGG GGTAAATTGAG GGTTGGCTGG AAGGAATCTG
 149641 TGATTTCTG GAGTTCCAT ACACAAACAA GACCTGGATT TTCTGGGCTT CCCAGACTTC
 149701 CACATCTAGA CTTGCTTTAA ATGGGAGAGA AATAAACTTG TTTCAGGCCAC TGTCACTTTG
 149761 GGCTATTAA TAGAACTTAA TCTAATCTTC AAGGGTACAT GAATTGCTTT TCCTTAAAAAA
 149821 AAAAATCAGC CATAAAATCA TCTTCTTTT TCTTTGTTC CCCACATTAT TTAGTTGGAG
 149881 CTCTGTAACT TTTTTTTTT TTTTTTTGAGA GACAAGGTCT TGCTCTGTCA CTTAGGCTGG
 149941 AATTCACTGG CATGACCAGT GCTCACTGCA GCCTTGCCT CCTAGGCTCA AGCAATCCTC
 150001 GTCTCAGCCT CCTGAGTAGC TGAAAACAAG GCACATGCCA CCATGCCAG CTAATTCTT
 150061 TTCTTTAGA GATGGGAGCC TTGCCCCAGGC TAGTCTCAA CTCCTAGCCT CAAGTGTACCC
 150121 TCCCACCTCA GCCTCCAAA GTGACAGGAT TACAGGTGTG AGCCACCATG CCTGGCTGCT
 150181 CTGTAAGTGT CTGAATTCA TTTTGTATT TGTTCTGTGTT ATAGATTTC TTTCCCTTCT
 150241 TGGGTCAGTT AGGCCATTGG TTTCTTTTA AAGGTTTCA AATTATTGTT CATCTAATT
 150301 TTCAAAATTAC TCTCAAAATT ATTCCAGTAT ATATTCTTT GTTCCTATTT TCTTCTGTAT
 150361 TCTTTATTAAT AATAGCTAAT GATTATCTA GCAGGACTTA TATTCTTCC ATAACATT
 150421 TGCAACCCAA TTAATCTCCA ATTTTATATT TCTTCTGGCC TTCTTATAG TTTCCACAGG
 150481 TTATTTTAT TCATTTTTA AAACTTTAT TTAATTGTTT ATTTTATTAT CATTCTTCT
 150541 TATTCAAGCAA TCTAAGTGCT TAGGGATATA GAATTTCCTC TAAGCAGCAT ATGCTAGGCT
 150601 TTAACAATGT TAGGGAGGCC TCCCCTTCT GGGGAAGACC ACACTTACAT TAACACAGGA
 150661 CTGTGGATG CCAAGAGGT GAGAAGAGCT TATGAATATC CAGATTACAT CTTCACGT
 150721 CCTGCACAAA GGTGGGGTTC CTCGGTTACC CACTGGGTCC TATTACCCAA GTCTGGGTCA
 150781 GCATACCGAG ACTACGGGT AATAGAACAA GTGCAACTGG CGATAACCT TCTGTTGGGG
 150841 AGAAAATCT TTTTTTCTA TTCACTTTAG GTTCTCCATC TGTGGCCCTA TCAAGTAGAC
 150901 TAACAAAAGA CAGATTGACA AGACAGAAAC AAAGCATGTG CATTGTACAA ACACAGGGGA
 150961 GTACTGAGAT GAATACTCAA AAGAGGATT AGAACTTGGG CTTATATAGC ATTTTAAGAA
 151021 AAGAATACAT TTTTAAGTG ACAAGGAAGA CGAAAAGGAC TTTGAGTTTC TAGTGCAGTA
 151081 AATTGTGGGA AGGCAACTTT TTCTTCCCT TTTTTTTTT TTTTTTTTA AAAAAAAAGAC
 151141 TTCTCTGGTG CTATGTCCAG GCTGATAAGA GTCTAAAGTC TCTGGTACT AACTTTGTT
 151201 CTTCCCCGAG TAAGAAGACA CCTTCACAAT TTCAATCCT GCTTTTAGGC AACACAGGGAG
 151261 AGGGCAGAGG TGTTTGTGTT TTTTTAATCT ATTTTTTTTC TCAATTGTCT TCAAACCAA
 151321 ATACTTCTTA TGCCAAAGAT GGCATATTCT GCTACCCCTTC ACTTACTACT TACAACCCAG
 151381 CCTCTATCAT CATAATTAGA ACTTCTGACC CTGGGGAAACA TGGGCAATAG TTTGAACCTCT
 151441 TTATATATCTC CCTTAGGCAG AGATGGGAGGC CCAGCCATGC CTCTGACATC TAGACACAAAC
 151501 TGTTGCTTCA TTCTCCTAT TCTCAGAGGT GATGTTGTAG GACTTCACAA AATATCAGTA
 151561 AACATTAATT TTTTTTTTCC TTGAGGCACA GCATGATCTT GGCTTACTGC AGCTGCTGCA
 151621 GGCTCAAGCA ATTCTCCTGC CTTGGCCTCA CGAGTAGCTG GGTTACAGGC CCCTACCACC
 151681 ATGCCCGGCT AATTTTGTA TTTTTAGTAG AGACAGGGTT TCACCATGTT GGCCAGGCTG
 151741 GTGTTGAACCT CGACCTCA AGTGTACCCAGC CTGCTCAGC CTCACATAGT TCTGGGATTA
 151801 CAGGCAGTGAG CCACCATGCC TGGCCATCAA TTTTTATGTC AACTCTAAAT TATAACATT
 151861 AGCAATTTCAG TGACTTTTA TGGTCATCAT TAATGTTGTT TATGTTTAG TTGAGTCCT
 151921 GTCATTACTC ACTCGGGTAT GGTAATTGGT TCTTTTCAA AATGAAGTTA AGGTCTATT
 151981 GCTCTCTCT GAATCATAAT AAGAACTGCC AACAGGCCATT TCAGCAATAA CTATTTACTG
 152041 AGATTTAAA ATATTCAAG GTAATTGGTC CTAGCAGACT GGAAATACC AAATTCTTTT
 152101 CCAGAACTGA ATCCCCATC AAAGTTCAAT TTTACTCATA ATTCCCTTTT CATTGAAAGC

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152161 ATCTCATTGT AAGCCAGTCT TAACCCTCT CTCACACTTT GCTTGCTGT TTCTCAGGTA
 152221 GAACTCAGTA AGTCTGGTAG CCTCCAGGAC TGCGCTTAG ATTATTAAC AACATGTCAG
 152281 TGGTTGGAAG AGTCAATGTT ATTTTGATTT TTCTGTTTG TTTGTTTTA AATGCAGTTG
 152341 GCGGATAATT GCAGCTTCTC TTCATTCCCT ACATGAGTTC AAATGGCAGC AAACAAACTA
 152401 GGAGAACGCA GACCTTCTGA CTTGTGGTA CCCCTACTCA TCACCTGAAG ACCCTGGAA
 152461 ATCAAAGCCC TGACCCATTA AAGACGGATG GAGACAGCAA CATAAGATCA TCACTATTAT
 152521 CTTGCTTGC CCCAGTCCAG GTTAACCATC TGTGGTATT TTAGTGCTA AGTCCATATA
 152581 TTCAACATAA ATCAATTATA TATCCACTAA AATCTCAGCA CTAGCTAAC TACTAAGGAA
 152641 ATGACACCGA AGAAAACAGA CCAAACGTCT GCCCTTATGG GATTTATATT ATTTTCTCTG
 152701 TGCTGGTTAA ACCAAGGAGC TTCTGCTT TTCTTAGTC ACCTGGGGA GGCAGAAACA
 152761 AAGGAGAATA TTGATAAACCC TGAAATAGG GCCGGAGAGT ATCAGAGAAG GAAGCCTTCG
 152821 GGAAAGTAAA GATGTGGCAG CCAGTATTCC CGTTATAAAA GGATACAAC CCGGCCTCAT
 152881 AGTCCAGAAA AATTCCCACA AGCAGGGCT GCTCATGCAG ATGAAGGGAA GTTGGGGAG
 152941 AAGTAAGTGC TACATAGCCT TTCTTTTGAC ACAGCCTGAG GGTCCAGAAT CCAGACTGAG
 153001 GCTCTTGCTT CATGCCAGTG CCCCTCTGCA CATTTCACAT ACAAAACTCCT AAATCCCATC
 153061 CGGTTCCCTC GCCAACATCC ACTTCAAAGT AACGTCTTC TGAGGTGAAG CCTTCACAAAC
 153121 CCAAGACACA GGGGAAGGCA GTAAATCTCC TGGAAGATGT GTCCTGATTC TCCTGGGTG
 153181 ATCCACGAGT CACTTGTCTC CGATCCTCAG AGAGAATTAG TTCGTGATGA GCTGTATCTG
 153241 GATCCAGAGT CACACTAAGT GCAAAACAAA ACAAAACAAA CAAAATAAT TTTGTTGCTG
 153301 TGAAGAACAC AGGTTATTTT ATTTTATTTT ATTTGAGAT GGAGTGTGTC TGTCACCCAG
 153361 GCTGGAGTGC ACTGGCACTA TCTCAACTCA CTGCAACCTC CACCTCTGG ATTCAAGGCAA
 153421 TTCTCCTGCC TCAGCCTCCG GAGTAACACTGC GACTACAGGT GCGCACCCACC ACAAGTGGCT
 153481 AATTTTTTA AATTTCTGT AGAGATGGGG TTTGCCATG TTGGCCAGGC TGGTCTCAAA
 153541 CTCCGTACCT GAAGTGTTC ACCCACCTCG GCCTCCCAA GTGCTGGATT ACACAGGTGT
 153601 GAGCCACCAT GCCCAGCCAC AAGTTATTT CAATAAAAC AGCCTGTGTT CAAACCCAAAC
 153661 TATTGTTCT TATAAACTGG GTGAGCTTAG GCAAATCATT TAACTTCTG ACCCTCAGTT
 153721 TGTTAACTAT AAAGTGGAAA TTACCGTATT TGTGAGAG AATGGTGGGT AGGATTGAAT
 153781 AAGCTTATGT TTGCTTAATG CTTGGTAAA TTCTGGTAC ATGGTAACCA CCTAATAAGT
 153841 GGTAGTTGTT GGGGTGATCA GGGCCACAC CAGGCCGTGG GGGCTACAAA GTCCGGCGGG
 153901 GTCAAAGGAA TGAGAAAAGA CAAGTTAAGA GTGCATAAAAG TGGGTCCAGG GTGCCAGCAC
 153961 TAGATTGGAG GCTGCAAAGG CCCTAAGCTC TGGGAGCCCA CACTATTAT TGGTGATCAA
 154021 ACAAAAGAAC AGGTGGTGAG GACGTGAGGG TAAACAGGTG AGGGCATGAG GACATGGGG
 154081 TAGAAAGGTA GTGGTGCATT AAGCGTAGCT GTGACAGTTT AGCATTCTT TTGACACATG
 154141 TAGAATATAC TCTGCTGCTT GAGATAGTAG AGGACACGTT TATGAGTGA AAGCAAGGAA
 154201 CCAACAAGTC TGTGCACTTT CCAGAGGCTA TGAGGGTTT TATGCCCTGA GCCCTGGGTT
 154261 CCATCCAAGC CACAAGGGGT TTTATGCCCT AGGCTTAGAT TTGTGGTGCG GCAGGGCAGC
 154321 CTTCCACCAT TTGGCACAGA GCTTGGTGT CCAAAGGCCA CGAGGGTTT TGGACCCCTGG
 154381 ACCCCGGACA TCTTCCAAGA CTCTTTACA TTATGACAGA CAAGCCAGTC CTGCTTCAGC
 154441 TCTTCTAACAA ACATGTAGTA ATAATGATAT CATCAACATC ATCTCGTCT TAATTATTCA
 154501 AGGATGCCAA GGTACAGAAC TAACCTGTTA ATATGGTTAC CATCCTGTCC AAAGTTCTTC
 154561 TCCCCATGCAG GACTTCCAGG AATCATGAGA CAGTTGAGCA GAAAGATACC TTTTCCCTTC
 154621 TCTACTGAAT AACCAACAAAC ATTGAGAATC AGAGAGGGAA AATGACTCAG CTAATGTCTT
 154681 AGCTTGTAT TGGAGAGACC AGGTCTCATG ACACATGCCT AGTCCCAGTGA CTTTTAATTG
 154741 TAAGCTCTC TCTTCCCCCT CAGATAATGT TCCATAAGCA TTAGTATGAG ATAATAATAC
 154801 ACTGAGGACC AATATACATG AAAAATATCA GACTAGAATC AAACAAGACA GAAAAAAAGAT
 154861 CTGATAACCT AAAGTGAGAT ACTGAACAGT ATGCAGTTT AAAAATAAAA AATGGTAATA
 154921 GGATGTTCTA ACAAGAGAGT TAAGAAACCA CTGTGCTACT GAGTTAAATG TTGATCAGTT
 154981 GGTCTGTGAC AATTAAGGAA TTCAAGTATT CAGAACACT TCCTGTGCTG GATGCTCTCT
 155041 GTTTGTTCTT CCAAATAATC CCTCACTTTT CCCTGTCTTG CTCTGTGCC AGGAAGGCTG
 155101 ACATGGACAG ATTAACCAGG CTTTCCGCC TCTGGCTTGG TTCAGCCAAT GGGAAAGCACC
 155161 AGAGGAGACC ATAGGGCACA AAGAAGCAGC CTTGGGAGTA TTCAGTACCC CAGTCCCACG
 155221 CTATGATTG GAGGGTCTGC ATTCCCTCTGC CTCTGGGCAC ACTCTAGTAT AGTTACAGCT
 155281 CCCTACACCT GCCACTTGAG GCCCAGAGGA GGTGATGGCT CTCTAACTGT TCCTAGTTCT
 155341 GGGTGCTTCC TGTTCTTGT GGATTCCCCA ACTCCTCACC TTTGTAAATA CCCTCCTTTT

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155401 TCAAAACTCTA TTCAAGTTAGC TTTTATCAGC CTGACTCACA GAAGTTGGG GTTTCAATTG
 155461 ATATTACCTG AATGACCCAG GAAAACCCAT GTTGAGAAAT TAAAATGTTT ACAGGGGTGGT
 155521 AATAACCACTT AAGAGAAAAA ATATCAATTG GATTTTTAAA ATTCCACCTA TCTATTGGTG
 155581 TGACACATCA ACAAAAACAT ATAGAAAGAT TGGAAGCTAA AAGATAGATA ATATAGTCAT
 155641 ATACTGTAT AGTATTATAT CAAAAGATAT TAAGTCAGAG CATTATTAAG AATGGAAGAA
 155701 GGGCCAGGTG TGGTGGCTCA TGCCTGTAAT CCCAGCACTT TGGGAGGCCA AGGCAGGC
 155761 ATCACTTGAA GCCAGGAGTT CAAGACCAGC CTGCCAACAA TGGCAAACCC CTGGCTCTAC
 155821 CAAAATACA ACAATTAGCT GGGCATTTGTG GCACATGCCT GTAATCCCAG CTACTTGGGA
 155881 GGCTGAAGCA CAAGAATCAC TTGAACCGGG GAGGCAGAGG TTGCAGTGAG CTGAGATTTC
 155941 GCCACTACAC TACAGCCTGG GTGACAGAGA GAGATTCTGT CTCAAAAAAA AAAAAGA
 156001 AAGAATGAAA GGAGTCACCT AAAAAAGATA ACACAATTG AAACATAAAAT GTACTACATT
 156061 ATTAGTGAAT TCATGTTAG AATTGTGTTA ATATACAAAG CAAAATTGT AGAATTATAG
 156121 GAGAAATGGA CAAATCTACA ATCATCATGG GATGTTTAA CATTCTCTT TCCATAATTG
 156181 ATAGATCAGG CAGACCAAAA GAAAGAAATA AGGGAAGATA CGGAAGGTCT GAAACAATCTA
 156241 AGAACGCAA TCTCATAGTC AATACATAAA GCTCAGCAAT TGTAAATAA TAGTAAGCAG
 156301 AGAATATGCA GTTTCTCAG GTATAGATGG AACATGCACT AACTGAGTAA ATACTAGGCA
 156361 GAAAACAGTC TGAACAAAGTT TCAATAATC TGTATTACAC AGATCATTTT CTCTAGC
 156421 AATATAAGAT TATAAACCAA TAATAAAAG ATGACTAAA AGATTCTAA TATTAGGAA
 156481 TGTAACACTAC TAATAAGTCA TTAGAAGATG TATAGAATGG ACAATAATA AAATGTTATT
 156541 TATAAAATA TACAATGAAG CTAAGCAGA ATTTAAGGA AAATTTGTAG GCTTTAAATG
 156601 CTTATCTTAG AAAAATTAAA AAGCTGAACA TTAATGAGCC AAGCATCTAA TTAAATTTT
 156661 AAAAAGAACAA TAGAAAGCCA AATATAATT TTTAAAAAGA AAAAATAGAT ATAAACAA
 156721 ATAACAGTGA AGTTAAAGAA ACAAGAATG CAATAAAGAG GAAAACAAA CAAAAAAA
 156781 AGTAGCTTCT TTTAAAGAA ATTTAATAAA ATAGACATAC CTCCAATGAG ATTATCAAA
 156841 GTAAGACAGA AGGCACAAAT GGAATGAATA CAGAAACTTT TTAAATATTA CAGAACTTTA
 156901 TAATAAAATCT TATGCTACTA ATAAAATTGA AAGTACTGAT AAAATTATTA CTTCCTAGAA
 156961 AAAATATTTC TGAGTAAAC TCACTAAAA AACAATAAA GCATGGGCAG ACCTAACATT
 157021 AAAGAAATGA AATCACTACT TTAAATTAA CCGACAGATA ATAAAACGTG CATCTTATC
 157081 AAGCAAAAT GGAACCTGTC AGTTTATAG GAAATTAGA AGTCAAGGCA TGAGTAATGC
 157141 CAATCTCATA CCAAATCCTA CAAAGAATAG AAAATTATGG CTCCCGCTTA TAGACATAGA
 157201 TATAGAACTC CTGCACAAAA TAATATAAA AACAACCAA ATTTTATATT TGCAACTATA
 157261 CATATTATAT GTGTATGTAT TATATATGTT AACATATACA TATATAATAT GTATAGCATA
 157321 TGTTCTACAT ATTATATATG TATAGTGTAT GTATTTACA ATATATAAT GAAAACCAA
 157381 TCTTTAATAT ATTCACTCTAG ATTGTCAAT ATGACATATA TAATACATTA CATCAAAAT
 157441 GTGTACAATA ATCAGGCCAG GCACAGTGAC TCATGCCTGT AATCCCAGCA CGTTGGGAGG
 157501 CTGAGGCCGG TCAATCACTT GAGTCCAAGA GTTGAGACC AGCCTGGTCA ATATGCCAA
 157561 ATTCCATCTC TACAAAAAAAT ATGAAAATT ATCCAGGCAT TGTGGTGCAC ACCAATAGTC
 157621 CCAGCTACTC GGGAGCTGA GGTGAGAGGA TCACTTAAGC CTGGGAGGTG GAGATTGCAG
 157681 TGAGTCGAGA TTGCGCCAGT GCACTCCAGC CTGGGTGGCA AAGGGAGACC CTGTCTCAA
 157741 AAAAATTAA AAAATTAGCC AGGTATGGT GCCTGTTCCCT GTAGTCCAG CAACTGGGA
 157801 GGCTGAGGTG AGAAGATCAC TTTAGCTCAG GTGGTGGAGC CATGATCGCA CCACTGTACC
 157861 ACTCGGCTTG GGCAACAGAG TGAGAGCTG TCTCGAAAAA ACAAAATATAC ACACACAGTA
 157921 ATCAATATAT ATATTATATG TACCAATCAA TGCTTCACCT TTATATATAA TATAGATTAC
 157981 ATCTTATTAG ATATATAGTA TTCCTTCCTC ATAGATAGAT AGATACAGAT ATAGACATAG
 158041 TATCCTCTAT CCATATTAGA GAGAGGATAC TATATATATC TATAGCATAT AGAGATGCTG
 158101 TCTCAAAATTTT ATTTAAACAT CAGCCAGATG TGGTGGCCCA TGCCTGTAGT CCCAGCTACT
 158161 GGGGAGGCTG AAATGAGAGG ATTGCCATTG ATCCTCTCAT TGGTTGAGCC ATAATCGCAC
 158221 TACTGCACCA CTCAGCCTGG GAGACAGAGG GAGACCTGAG GTGGAAGGAT ATAGATATAG
 158281 ATATATAAT AAATATGTAT AGAGAGAATA TAATATATGT GTGTATGTGT ATATATATAT
 158341 ATTATGAAGA CACTGGGAGA GAATACTATA TATATATGTG TGTGTGTATA TATATATTAT
 158401 GAAGACACTG GTGGGATGGT TTCATTACCA ATTGGACCAA GAGTCCAGGT ATGGAGCCAA
 158461 CATGCAATGT TGTTGTTGAC TGAGCTGGCA GAGCACTGGT CATACTTACG GGAAAAGAAG
 158521 GTCTCCAATG AGACATACTT AACAAAATAT ATGAACCTG CATATACGTG GAGAGTTCTG
 158581 GTGTGTATAT AGCCTTCTCT CACCAACCTA GCAATTGTCT TCATCATCAT TATAATGCTA

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158641 TCAGAGCAAA GATGACAGCT AAATTTTTT GTCCCTTCT TCTTCTTCT CTCCTTCCC
 158701 CTCCCCCACC TCTTCTCTT CCTCCTCCTC CTCATCTCT CTTCTTTTT TTTTGAGAT
 158761 GGAGTCTAC TCTGTCGTC AAGCTGGAGT GCAGTGGCAC AATCTCAGCT CACTGCAACC
 158821 TCTGCCTCT GGGTCAGC AATTCTGCCT AAGCCTCCAG AGTAGCTAGG ACTGCAAGTG
 158881 CACACCACCA CACCTGGCTA ATTTTGTAT TTTAGTAGA GATAGGGTTT CACAATGCTG
 158941 GCCAGGCTGG TCTAAACTC CTGCCCTCAA GTGATCCTCC TGCCTCGGCC TCCAAATGTG
 159001 CTGGGATTAC AGGCAGTAAGC CACTGTACCC GGCCTCCTCC TTTAATAGAC AGGGTCTAGC
 159061 TCTGTTGCC CAGCTGGTA CAGTGGCGTG ATCATAGCTT ACTGCAGCCT CGAACTCCTG
 159121 GGCTCAGGAG ATCCTCCTGC CCTAGTCTCC CCAGTAGCTG GAACTACAGG CATAGCACAC
 159181 GGGGCTAATA AAATTAATTA GGTGATAAAA TTCACTGCC ACTGATGACT AAGCTTTTG
 159241 GACATAAAAG ACACAGACCT TGAAGGAAA TGTGTCTACT TAATTTGAA ACCCTATTAA
 159301 TCAAAAAACA GGATGAAAAT GCAAAATGCC ATCCACATGC CAGAAGATAT CAGCTATAAT
 159361 AAGTTCCCAT AAATCAATAA GGAAAAGAAC CCAATAAAA TTATTAACAC ACAGTAAATC
 159421 ATGGGTAAAT CACAGAGGCC TGAAGGGCTA ATGGACATAC AAAAAGAATC TCAATCTCAC
 159481 TAGTGAAATC AGAAAAGCAC AAATTAAGTA CACAATTAGG TACCATTTA AATCTGTAAG
 159541 ACTGTCAAAA TCATAAAATT TATAAGTAAA GACTCAGGGA GTTTGGAGG AGTGAGAGCT
 159601 CTTATATTGC TTGTGGGTA GAATTGGAAC AATTCAAGA TCTGTAGTAT CTGGTAAAAT
 159661 TATGATATGC ATCCCTCACA CCAGCATGTC ACTCCAAGGT ATCTCCCTGG AGGAACATT
 159721 TACGGGACAC AAGGAAGCAT GGATAAGAAT GTTCACAGTA GTATTGTCTG CAACAGCAAC
 159781 AACAAACAAA AAACCCAAC ACACACAAC TCAATGCCA GTCCACAAGG CAATGGATTAA
 159841 AATAAACTTC AGGCCGGAGA TGGTGGTCA TGCCGTAAAT CCCAACACTT TAGAAGGCCG
 159901 AGGCGAGAGG ACTGCTTGAG CCCAGGAGTT CAAGACCAGC CTGAACAAAAA TAAAGAGATA
 159961 GTGTTCTAC AAAAATTTT TAAAAAATTA GCCAGACGTG GCAGTGCTTG CCTGTGGTCC
 160021 CAGCTACTGG GGAAGCTGAC GTGGGAGGAT TGCTTAAGCC CAGGAATTAA AGGCTGCAGG
 160081 GAGCCATGAT GGGCCATTG CACTCCAGCC TGGGTGACAG AGTGAGACCC TGTCTAAAAG
 160141 AGATAAGTAA ATAACAACCT TGCAATTCTT GCCACATTGC AAAATGGTGA GAGAGTGGTT
 160201 TCTAGACTCT AGACTCTTC TATGACTACC TTCTAGTTAT GAGATCCTAC AACACTCACC
 160261 TAACCTCTCT GTGTCATATT TCCTCCTCTA TAAAGCAAA ATGCCCTATA TAGAGAGGAC
 160321 TGTGATATAA AACAAAGAAC AAGAAAAGTA AAGCTTTCT AATCTGTCAC AGACTAAAGA
 160381 GTGCTCAGTA TATGTGAGTC ATTATTCTG GTGCTGGTAG GAGTGTATGT TACAACCTTG
 160441 AGTCAAGTAA TATGGTACCA TATATTAAGA TTAACAACAA CCTCGGCAAT CCCAGTTGG
 160501 GGTATGTCC CAAAAGAAAT GAAAGCACCA GGATATAAGG ATGCATGGAC TAGAAAGTTA
 160561 TTGTAGCAAC ATTGTAATAA CTAAGTTCTA AAAACAGCCT GAAGCTCCAT CAGTAGGGAT
 160621 ATGGTTACAT ATATTTTATA TATTCTTATG GAATATTAGA CATAAAAAGT AACGAGTAAC
 160681 ATAGAAGAGA CAGTGTATAT ATGTTACGTT TGTACAAACT TAGGGAAAGA TATAGATCAC
 160741 CCTACCTAGA GAAGTCAGAT TGGAGAGGGG TGGAAAAAAC CTTGAACCTT CTCTTATAT
 160801 CCTTTATATT GTTGTACTGA TTAAAATGTA TTTGTTGCAT CTGCTGAAG GCAATGTA
 160861 ATAAAATAAA CATACTTTA AAAATAAAAA TAAAATTTAT TCCTATCACT TTTGTAATAA
 160921 AGCTGGGCAC AGTCACTAAC ACTTGTAATC CTAGCACTTT GGGAGGCAGA GACAGGCAGA
 160981 TCACCTGAGG TCAGGGTTT GAGACCAGCC TGGCCAACAT TGTGAAACCC CATCTCACT
 161041 AAAAATACAA AAATCAGCCA GGCATAGTGG TGCGTACCTG TAATCCACG CTACCCGGGA
 161101 GGCTGAGGCG CTGGAACCCA GGAGGCAGAG GCTGAGATTG CGGCACGTCA
 161161 AGCCAGCTG GTAACAGCG AGACTCCATC TCAAAAAAAA ATTTGAAAAA AGAAAAAATT
 161221 TAATAAACAG TGTTAACAG GGGAGAAATA TTTAGTTAAA AGATAAGCCC ATTAAAGAAA
 161281 TAGTTCACT TGACCCGGAA GGCAGGAGCTT GCAGTGGGCC GAGATCGCAC CACTGCACTC
 161341 CAGCCTGGGC GACAGAGCGA GACTCTGTCT CAAAAAAA AAAAAAGAAA GAAAGAAAGA
 161401 AAGAAATAGT TTCACATTGAA CCATATTATG ATTCTCTCTG TAAAAGATGA GAGTAGGCAA
 161461 ATTGACTCAG TGAAATCCCA GCAAAACTTA CACAAAGTCT TGTCTCCT TCCGTCA
 161521 TGTATAGGAT GAAATACAGA GTGCTTTGG GTTTGTTGT TGTGTTGT TGTGTTTG
 161581 AGGGGAACAC AGGTCTATAA TTCTCTTCT GAAATCCCTG GAACAAAATG GGCTTGC
 161641 TTCAAATTAG TTTAGAAGTT ATAAAGGCAA AAAATGCAT ATACTCTAAA GTCAACCCCC
 161701 ATCATGGCCT AAGGCAGAGC CCTGTAATCA AATTCACTAA TATATCTGCA GCAAAACATT
 161761 TATTCAAATT AAGTGGGATA AATAAAGACT TTTAAATAGT CTCATCTCAG TGCGTTCAG
 161821 GGTTGGCCAC TGTGGAAGAC AGACTCAAGG GTGGCCTTCT ATGATTCTCG CCTCTTGGT

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161881 TTCACACCCCT CGTAAAATTC CTTGTCCTTG AGTGTGAGCA GGGCTTATGA ATTGCTTCTG
 161941 ACCAATAGGA TATGGCAAAG ATGATGGGAT ATAATTCTA TGATTACGTT TCATTATGTA
 162001 AGACTCCATC TTGCTGGCAG ATTTCTCTA AAGAGTCTGT CTCCTGAGCT CTCTCTGAAG
 162061 AAATAACTGG CCATGTTAGA AGCCCAGTGT CAAAGAGCTG AGGGGTGGCC TGTAGAAGCT
 162121 GTGGGCAACC TCCAGCCAAC AGCCAGAAAT AACCAAGGGCC AAAGTCTGC AACCATCAGG
 162181 AAAGAAATTC TGCGTGTAT CTCAGTGAGC TTGGAAGTGG ATTCTTCCTT AGCCTAGCCT
 162241 CCAGATAAGA ACACAGCCTG ACCAACACCT TAATGCGAGC CTTATCAGAC CCTAAGCAGC
 162301 AGGCCAAGT AAGCTGTGCC CAGATTCTG AACCAACAAA ATTGAGATAA CATATCAGTG
 162361 TTGTATTAAG GTTCTAAATT ATGGTAATTG GTTTGTACTA ATAGATAACT AATATAACCA
 162421 CCAAATCATT TCAGGTTAGG CCAGATTTT GTAGCCAAAT GAATCATGAT AAAACTTCC
 162481 ATTTTCAGGG GTTTTTTGA TTTTGTACTT ACGGATACAA ATTGTGAAA GTATAGTCAG
 162541 CACTGATTT AAAATCAAG GGAGCAGGAA ACTCAGTAA TGTTCTAAC ATTTGGAAT
 162601 CTGTAAATTG GTTGTAAACAT TTGTCTCTG TGTTATCTAA GTCAAGTTCC TAAATATGT
 162661 GAATGATAGG TTATCATACT CACCTACTT TCTTGCATTG CTCTAAAGGT TGGCTGAGCT
 162721 ATTGATAATA AACACTATGA TCAGATCTAA TACCATGATG TGCTATTATG ATCATGTGTC
 162781 AGTCACAGGG CTAAGCACTT TGTCATGTT GATGCATTAA ATTTGATGA TAACTCAATG
 162841 AAGTAGGAGC TGTAAATTG TTCACTTTG AGAGGGGAA ACCAAGTCAC TTGGAGTAAC
 162901 ATGGCTAATA AGTGAAGAGA TAAGAATTG AAAGGTTGC ACAGATAACC AGAATGCAAT
 162961 GCTCATCAC TTCACTGAGC AGTGAATCAT ACTAACTAGA GAAAGTATGA AAGCTCTACT
 163021 GAAATTAACT AAACAACCTC TCTGGCTGTG AGCCTGCCA GGGACAGGTG GTAAACTTGG
 163081 TTACTGCATA AGGCCCTTC TATCCACAGT ATTCAAGGAAT TCTTGTAGA ACATACCTTG
 163141 ATGACTCCTT AACATTTCT TCACATCGAA GTAAAGCTTG GAAACATTGC ACATAGTATG
 163201 AAGTTCCAAG GAGACAGCCT CTGATGTTTC CAGCTTCACA GCCCAACTCC TAGAATAAGC
 163261 AGAGGCGAGA GATTCTTCA GAGGTGCATT CCATTCATT CTATATACGC ACACCCCTCC
 163321 CCTCCTGCAT TCAACACAGG CTTACCTGCT CAAAGTGTCA TTCACATTCT ATAAAGAAC
 163381 AAAAGAAAAA GGTGAGCATG GGAACATCGG TATTTCATGG GGCTTGTCA GCAGGGCTAT
 163441 TCTTCTTGC TTTACCGAA GAAGTAAAGA GAGTTACCCCT AGTCTTAGTC TTAGATATTG
 163501 ATGGATACTC AAACAAAGTA ATTCCCACCA GTCTTAGGTA TTGATGGATA CCCAGATGGA
 163561 ATAATTCTA CCAGCTCTG GGAGATTCA CGATGGCAGGA TGTTTATCAA CATTTCATC
 163621 TATTCTCATC CTTGCTGAAG TCTGAGGGCC AGGAGCTTTG TCCATGCTCC CTCTGTAAGG
 163681 ACTAGCTTT GGTGATCGGA TTTCCTTCAC AGTGAGCCCA GATTAGAGAA CACTTATCAT
 163741 AAAGGTCTT AGTGGTGAAT CTGTGCACAG CCCTGAGACT GGGCCACTGC CACTAAGATG
 163801 GTGGTAGCAG GTATCACACA GTGGTAAAGC AATCATGCTA TACACTCAGC CTTACAGTAT
 163861 AGTCACCAAT CCTGTTAGTT AGAACCCAGAA TTAATGGCTC CAGATGTTA TCTTCCTACA
 163921 GATAAAGCTG TAGATTGTAC CATAACAGCT CTGGAGCAAG GGTCTACAA GCAAATCAGG
 163981 GAAAAGGTTA TCACTCATTT TGGCTGCCACTTCATCAC CCATCAGTCA CCTAGTGGAG
 164041 TATTCAGGA GAGAGTCAAC AACCAAGGTT CTCTGCACAT GGGCCAAGGA GGCAAAACAGT
 164101 GGTAAATGTT ATCCCCTGGT TTCACTTGGC CAAGCTGTGT TCCCTCAGAA GTTTATTTT
 164161 CTAATTGACA TAAAGGTACC CTATAAAATT GTGAAGGCCA GCCTGATGGC ACTGATGTAC
 164221 ATCTAAAAGA AACATTACTT TATCTTCCCA TGCTTCCCTA CCATTCTCCT TTAAATAGCAC
 164281 TATAACATAC CTTTTTCCC TACTCCAAGT ACACAGCCTC ACCTGCAGCA ATTCTGGGC
 164341 TGAGCCCTGA CATTTCCTC CCAGTTCCAG GATGTGGCTC TTGAGTTCA TGCTCTTCAG
 164401 CCCCAGACCA GCCTCATAGT CCCTCAGTCT ACTCAGAGTC TGTTGTTCTT CTTCTCCAG
 164461 CCTCCAGAGA TAAAGACTCT CTTCCCTCATG TAGGAAACAC TGGAGATTCT TAAAGTCAGA
 164521 CCGGATTTTT TGTCTCTGAA TCTGTACCTT CTCCCTGGAGT CAAGAAAGTA TGGTCAAAAG
 164581 GTGGAAGTAA ACCAAATGTC CATCTATGGA TGAATGGATA AACAAAGATG AAAGTCTGAC
 164641 ACACGCTACT ACATGACAAG CCTTGAAGAC ATTCAAGCAA AATAAGCCAG AAACAAAAGG
 164701 GCAAATATTG TAAGACTTTG CTTATACAAG GCATCTGGAG TAGTTAAGTT CATAGAGACA
 164761 GAAAGTAAAA TAGTGGTTAC AAGGTGGGG CAAGACCAGA AAATGGACAG TTATTGTTTA
 164821 ATGGGTAGTG AGTTTCAGTT TAGAAGATGA AAGATGAAAC TGAGTTGCAG TTTGGAGATG
 164881 GGAATGGTGA TGGTGCACA ACAATGTAAC AATGTAAGG CACTTAATTCT TACTGAAC
 164941 TATACTTAAA AGTGGTTAAA TGCTTAAGTG TTATATATAT TTTCACACAA ACACACACAC
 165001 ACACACAATC AGCCACTGGG ACATTATTTT CTCATGAGTC ACTGAAGCTG GAAGAATGTC
 165061 CCCAGTTCC TGCTGCAGAG TCATGTTGG GAGGCAGGCA CTCAGATGTG GAAGAGGTTG

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165121 CCTCAGATT CTTATAGTCA CCCAATTAAT TTTCTTGTTC TTCAGCCAAG ACACAGGAGA
 165181 AAGCTGGTT AGGAGTGCTA GATAATTAA TTGTGAAACT AGGGCCAAGT TCAAACACTT
 165241 TATCAGTTAC AAGGATAAAA AGAGGTTTT ACTTATGATT TAAGAAGTTA GATTCTGAG
 165301 TTGGAGCGAT TTCTTGTAAAG TAAAAGCTTA TAATGAACAT CACCCAGACT GGATTTAAG
 165361 ACAACCAGGC TGGTAAGAGG GTCCATAATT CTTGGCAGGG GGAGCTTGA GTGTGACAGG
 165421 CATTATTAT GGTAACTGA GAAATACTGT TCTACTACCC TAGGGTCATC TTAAGCATTC
 165481 CTATGTGAA GACTGACAGA AATCAAGTGA AACTCTCATC TGAGGAGATG TAAAGTTGCA
 165541 ATTTCCATTA GTGCGTCTA AATTAATGCA GTGGGAGTGT GTATTCAAGG CAATTTGAAT
 165601 CTATGTTCTT GGATTGCACT GTTCAAACATT GGCCAAATA AACTCTCTAC TTATCTTAA
 165661 AAAATAAAA TTAAAAATA AAAATAATT CATACTGTGT TTTGATGACT ATGATATAGA
 165721 AGAAGGGTCT TTGACTTAGG ATGAGGTGGA ATTGAGGTTGAGGAGACAGG TGAGCCTTAA
 165781 ACTCTTGAT AGACGGGTT TCATATATGT TAGTTACAAT CAAGGTCTTC CCCATTGCC
 165841 AAGATCTAG AAATGGGGGA AGTAAGAGTG TACTCAGGAG CTCAAGAGCA ACATCCACAA
 165901 ACAAAAGATCA GGGTAGAGGT TAGAGAGGAC TCCTGAAAGA GAGAAAATTG GTAAATCAGCT
 165961 TGTGGGATT TACTGCAAGC TAGTGAATTA TATAAAATATA AAGATTGGTG CAAAAGTAAT
 166021 TGTGGTTTT GCCTTACTT TAATGGCAA GACCGCAATT ACTTTGCAC AACCTAAAT
 166081 ATTTCCATAA AAGAATGTGG CTCTGATAAT GTGGAGGTTA GTCAGCCACG GAAATAATCT
 166141 GAAAGTTGT AGTGCAAGT GTGTAGGTTG TTGCATTACT TGTGATGTAC TTATAAATCA
 166201 AGTATAGGCC GGGTGCAGTG GCTCACGCCT GTAATCCCAG CACTTGGGA GGCTGAGGTG
 166261 GGTGAATCAC GAGGTCAGGA GATCAAGACC ATCCTGGCCA ACATGGTGA ACCCGTCTC
 166321 TACTAAAATA CAAAAAAATTG GCCAGGCATG GTAGCACATG CCTGTAATCC CAGCTACTCA
 166381 AGAGGCTGAG GCAGGGGAAT TGCTGAAACC CGGGAGGTGG ACATTGCACT GAGCTGAGAT
 166441 CGCACCACTA CACTCCAGCA AGACTCCATC TCAAAAAATA GTAATAATTAA AAAATAAAAT
 166501 AAATAAAATA AGTATATTTC TTTCATCAGC TTCACTGAGCT TGAGTAGTAT GAATTTCAAT
 166561 CTGGAGTGAT CCTGTTTCT AAGTGTTCAC AAAGCTTGGT TTCTGTAACCT GTAAAGTTGA
 166621 GAGCCAGATG CTCCACTGTG GTAAAAGTGC CAGGGTAATG AGTTGAGGCC TGCAAACCAAG
 166681 GTTTATTGGT AGGTATTAA AGTTTGAGAC CCACTCGATG CTTTTCTAG GTAAATAGTC
 166741 ATACTAATTC TGCTTCTTCT GACTGAAGTA TCAGGAATCC CAGCCAACTA CAGTTAAAG
 166801 ATGGAAAGAT TGGTGTAAA TACTCATGGA TGTAACCTG GAACCAGGGG CATAAGTACA
 166861 AATAATGGTT TCTCCCTGG GTTTCATTTT TTCAATCTGG TTTAGTGAGA ATAATCCTC
 166921 ATTGTGCTTT TCCTCAATCA TCCCCATG CTAAGCTCTA GAATGGAAAA TAGCTTGAGA
 166981 TCAATGAAGT CAGATTCTTA CTTTCCATTT AGTTATTGCG ATTGCTGTGG ACAGCTTCTG
 167041 CTCCGTACAT CTGCTTCAA GTTGCTTCAG TTTGTCACA GCTTCTGGA GCTTTCTCTG
 167101 AAGGAAAAAT TTGATAAGTG AAGCCTATT CATTGACTC TTCATTAGGG ACCTAGGGGG
 167161 AATCCCAATC TTCTAAGATA TATTGAAATA ATAGTGAATA TTTATAGAGT CCTCATTGTT
 167221 TTTTGCTAGA GAGCATGCTA AAGGCTATAT GTGCAGGAAC ATACTGATCC CCTTGGCAAC
 167281 CCTGAATAGT TGGTAGGATT TTAAACTTCA TTTCTGTGCT GTAGAAAATG AGACTAAGAA
 167341 AGGGGTAAAA TAACTGCCC AAAGGGCTAT GACTGCCAGG TGGTGGAGCA ACAATTGCAA
 167401 TCTCATCTGC TGACCCAGAG CCTGAGCTAT GTCCACCACT AGAGTCTGC CAGGAAAAAG
 167461 TTGGATATAG ACAAGGTAA TCATCATCTA AAAGATTTG TAAAACAACA TGCTGAACCA
 167521 AGCAAAACCA ATACCAGTGT TTGGCACACA TGAAATTGG TGTCTTATGA GTCAGGAAAA
 167581 ATCAGGATGC CAGCTGGTTA TTAGAAACAG TTCAATGGAAG AGGGGAATTG TGTTATCTT
 167641 TGAACAATGG TATCATGAAT CCAATTAAA ATGATTTAGT ATTCAATGTCA AGCTTTAGC
 167701 TTATTCTTCA AACAGTTTC TCATATTCT ATTGAAAGTG ATTGAAAGCT GACCCAAATT
 167761 GCTAATTGTA GTCAATGCTG AAAGAATTGT CTCCCTGTCT GTGAAACCC ACAAGTATA
 167821 CTCATTCTT CTCGAGTGT CTCAGGAAAA GGTTCTATGT AACTGTTTA GCAAAAGATG
 167881 ACATTGTCCT TACTATATGC CAAGTGTAT TCTATGCATT CTATATTAA ATGTCCTCAA
 167941 AGCTTATAAC CACCTCCTGT GTATGTGTT TAGGGAGGGA GGACACTGCT ATTATCCCCA
 168001 TTTACAGATG GAGAAACCA GGTGTGAAGA CATTAAGTAA CGTGCCAAA ATTGCCATC
 168061 TAGTAAGTGA CAAACTCAA TTTCAACATA AGCTGGTCC TTTCTTACT ACTTGCTGG
 168121 AAAGTAATTC AAATGGGAAT ATGATCATCG CAGTTATTAG CTGCTCCATG GAGTTAAGG
 168181 AAGAGCTGCC ATGAGCTGAG TGGTGGTCAT GATTGACATG TCCTTAGAAG GACTTAGAGC
 168241 CTTCATACAA GACCACCTCT GCCTCATGGA GGACAGAATA AGGAGCTGA CACTGGAGAC
 168301 AACATTTC TCAAATTAG GCAGGACAGA GAAGGAAAAA GGACATCAGG ACTATGCCA

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168361 TTCCCTCCATG CTGCCAACAG CAAAGTCCC CCTTCCTTAA TATGCTTTCT GGCAAGAAAT
 168421 CTGGATGGTA CACAAAACCT CTCCCTCTGC TTCACCTTCC ACAACCAAGC ATTTCCAAT
 168481 CTTTGACTCT TCTTCCTGAA TCGTGCTTAA AATCTGCCCT CTCCTCCCT TCTTATACGG
 168541 ATAGTTGAA TTTTACTCCT TGATATTCCCT TTTATCATAG ACATGCCACA GTAGCTGGGC
 168601 ACAGTGGTTC ATGCCTCTAA TCCCAGCATT TTGGGAGGCT GAGATGGGAG GGAGACCAGG
 168661 GGTTTGGAGC CAGTATAAGC AAGAAAGGCA GACCATGTCT CTACAAAAAA TAAAAAAATT
 168721 ATCCAGGTAT GGTGGGGCAT CCCTGTAGTC CTAGCTACTT GGGAGGCTGA GGTGGGAGGA
 168781 TTGCTTGAGC CCCAGAAGGT TGAGGCTGCA GTGAGCCGAG ATTGCACCAT TGTACTCCAA
 168841 CCTGGGATAC AGAGCAAGAC CCTACCTCAG AAAAAAAA AAAAAAAA AAAGTAGAGG
 168901 TACCAAGAGTG ATATTTCAA TGTCACTGAC CCTTCATTCC CCAAATGAAA ATCCCCAAT
 168961 AGGTGTTCAA TTTTACGTG TCCTTCAGGA GTTACTTCTA AGATGAACCA CTCTCTACCC
 169021 TAAATGTCCTC TCCCCACCAC CAAAACCAGG GACCTCCAGG CAGACATT TT TGATGGTTTG
 169081 TTTTCTTAC TAGACTGTAG ATACCTAAA GGTGATGGGT CTTTCTTCCC TGTTTCAGG
 169141 CCCTACTGCA TGGCTTTACA TATTGTGGTT TTTCAAATGA TATTCACTGGT GTGAAACAAG
 169201 AAAAAATGCG GGTGTTGGT TTGAGAACAA CCTGTTCTAA AGCAAAAAGA AATTCACTCAT
 169261 AACACAAATG GATAGAGATA AGAGTCCAAC CATCCCATTG AAGGTCAGGA TGGACAGTCT
 169321 AGATAATTGA GCAAGAAATC ATCATAAACT ATTTTCAGA AGAATGACAT GATGAAAGCT
 169381 GTATTTCAA GTCATAATGT TAGGTTCAA GTTAAATCAT CTCAGCTCCT GGGGAGCAGG
 169441 ATAAGACTTG GTACTTACCA AAGCTCCCGG GCCCACACAC TCACCTGTA GCCCTGGCAT
 169501 ACGTCTTCAA CAAGAGCTGT GGTGTGCCCT TTGTGCTGTG GTGCCCGCTC ACAGGCCAG
 169561 CAGATGAGCT GCCCCTCATC TTCGAGAAC AGGTGGAAC GCTCTCCGTG TTCCTCACAT
 169621 GACATTCTT GATCCGTCTC TTTGAGGGCT TCAATGAGGC TTCCCGCTG CTTGTTGGGT
 169681 CGGAGGCTAT CCATATGAAA TGGAGCCCGA CACTGGGGAC AGCAGAATGT CTCCCTGCCTC
 169741 AGTTGCTTT GGCTTGGGTT TTTAAAGAAG TCTGTTATAC ACAAGTGGCA GTAGCTGTGT
 169801 CCACAGTGA TGCTTACTGG GTTCGTCATC AGGCTCAGGC AGATGGAGCA GGTGGCTTCC
 169861 TCCATCATCT TCTTGGTGT GGTGGTTGAG GCCATAGCTT TTATTGAAAA GCTCCAATAT
 169921 TGGCTCTAGA GATGGAGATG AAGCAGCCAG AATTTCAC CCGTATGAAA ATACACCTCA
 169981 CCTGCACCTC TATGTGATGA GCTGGCTGCA ACTGACTTCC ATAGGTCTTG AAGGTTTCC
 170041 TTCCAACCCC TATTATCTCA TTTTGTATTG AAGAAAAGAG GACCTAAAAG GAAGAAGTTG
 170101 AGGCTGAGGT TGTTGGGCC ACGTTGAGA ACTGCAACCC AAGTGCAGAG TTTCAAGTTG
 170161 CCCTCATTAG CAAGCAGTTA CAAGTGGTTG TTTAGAGGAA AAAAAGCAGT TTAAAGCAG
 170221 TTTTAAAGTT GTTGCCAAG AATTTACATT AAAATAGCAT AAGCTTTGA CTGGCTATAC
 170281 ATTGTTCTT GTATTACAA TCTCGGAAT ATGTAGTAA TAGATGAGGC AGCCAGTCAG
 170341 GAACAAAATG CTTTTAAACA TGGGGTCTTA ACTGAAGACCC TATACTCTG CCTCACTTGT
 170401 CCTGATAAAAT TTTGCATACC TCACATAGCT CAGACTGCTC TAAATTATTT CATTATTTT
 170461 CTTTTCTCAG TCTCTAACT TTTTTTTTT TTTTAATGA GACGGAGTCT CACTCTGTCA
 170521 CCCAGGCTGG AGTGCAGTGA CGCTATCTCG GCTCACTGCA CCTCCGCCCTC CCGGGTTCAA
 170581 GCGATTCTCC TGCCTCAGCC TCCCGAGTAG TAGCTGGGTAC TACAGGTGTG CACCACTACG
 170641 CCCAGCTAAT TTTGTATTG TTAGTAGAGA TGGGGTTTCA CCATGTTGGT TGGCTAGGAT
 170701 GGTCTCGATC TCTCGACCTT GTGATCCACC CGCCTCAGCC TCCCAAAGTG CCAGGATTAC
 170761 AGGCATGAGC CACCGTGCCTT AGCCTTTT TCTTTCTTA TAAGACAAGT TCTCGCTCTC
 170821 TTGCCAGGC TGAGTGGAG GGCAGTGGCA TGACCACAGC TCACTGCAGC CTCGACCTCC
 170881 TGGGTTTAAG CAATCCTCCT GCCTCACCTT GGCAAGGTGG CTGGGACTAC AGGTATGTGC
 170941 CACCATGTCC AGCTAAAGTC TTCTCTCCAG AAAGAAGAAA TGCATTGGAA TTTAGAGGAT
 171001 ACACAAACAT CTAGCTGTAT AGCTAATACA GTAGCCACTA TCATGAGTAG GAATTAAAT
 171061 TTAACCTTAAT AAAAATTAAA ATGAAAAAAT TCAGTTTTTC TGTTCCAGTT GCCACATTTT
 171121 GATTGCTAA TAGTTGCATG TGACTAGTGG CTACATAACA GCCTCAATAT ACAACATTCT
 171181 GTTATCACAG AAAGTTACCT TGGACCAAGT GCTGGGAGAA GCAATGCAGG CTCCTCACA
 171241 AAAGCTGTA AAGAGAGAAC TCAGGGAGTG TGAAACTCTT TCCTATTCTA GTTAACCTCA
 171301 AGAATAATTG TTACCAGGCC AGCACGGTGG CTCACGCCG TAATCCTAGC ACTTTGGGAA
 171361 GCCGAGGGCGG GCAGATCACC TGAGGTCAAG AGTTTGAGAC CAGCCTGACC AACATGGCAA
 171421 AACCTCATCT CTACTAAAAA TACAAAAGT TAGCTAGATG TGTTGGTGCA CACCTGTAAT
 171481 CCCAGCTGCT CAGGAGGCTG AGGAAGGAGA ATGACTTGAG CTCCGGAGGG GGAGGTTGCA
 171541 GTGAGCCAG ATTACACCAC TGCACCTCAG CCTGGGTGAA AGAGCAGAA TCTGTCTTAA

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171601 AAAAAAAA AAAAGAATAA TTGGTACCAAG AATTACTCTT TGTAAATTAGT AGTAACACTT
 171661 ATGCAATTGG GTGATCTGTG ACAGATTCCA TTGAAGGAGT ATGGGGAGCT TCACCCCAAT
 171721 ATATGACTCC CTGGTATAAT GAGTATTTG AATTAAAGGC CCTTAGAGAT CAGCAGATGC
 171781 TGGAAAGAGAC TTTTCCCCTA TCTACATAAA GACCAGTCAC ACTAGACAAG AAGAACAAATT
 171841 GTTTTCCTT CCAACCCCTA TTATCTCATT TTGTACTGAA GAAAAGAGGA CTAAGAATGT
 171901 AACCAAGACCT AATCAGACAC TTTCACAAAAA TAATGTCTGT CTCTCAGGCT CATTCACTTT
 171961 CCAAAGAGAA CCATTACAA GTTAAACTCT GTCCCTCCAT TCATTACATCC TCCCAAATAT
 172021 TCATTTATTC TCCCTAGTAA TCATTTACTG CCCCTCAAAG AATTACCTAT ATTCTCCTGA
 172081 TATCACCCCT CCCCTCTGAA ATAAATATGT ATACATGTAT AAACGTTATA CATAACATATT
 172141 TATACAGTAT ACATACATAT TTATACATAC ATACATATGC ATACATATTT ATATTTATGT
 172201 ATTTATACAT AAGTATTTAT AAATAAGGCT ATATAAGTAT CTACCCCCAT TGGCAGAGGG
 172261 GTTAATCACT CTGTGATTCT AGCCCAGTAA CTTGTTAATA AATTGTATG CCTTTCTCC
 172321 AATTAGCCTG CCTTTGTGA GTCGATTTT CAGTGAACCT CAGAAGGCAA AGGGGAAGTG
 172381 TTCCCTTGGC TCCTACACCA TCATGACAAT AAAATTGAC TCCACCTCGA CCCCCCCCCAT
 172441 CCCCCACAAA GAACAACAAAC CAACACTGGT TAATAAGGTC GGTTGTTTT TGTTGTGTT
 172501 TTTGTTGTTG TTGTTGTTGT TGTTGTTTT GCTTCAGGA GCAGAGGTAT AATAGGCAA
 172561 AGAAAGAGAA AGGAGAATAG TGAATACCTC TTCTGCAGAG AGGGGTGCCT AAGTGGACT
 172621 TCCCTGGCTA ATAACGTCTT GCTAGAGACC CAACCAAGGAG GATAATGGAA GCAATCAAGG
 172681 CAACCAGAAC ACCAGAAAGA ACCAGTTAT CTTTTTGTG CCCTCTCCCT AAACGTAGGG
 172741 AATAAGAATT GGAAAGAAGG CTGCAGAGCA GAGGGTTTGC TCCTGAGGAG CAGTTATTTC
 172801 TATGGGATCA GAGCTCTGC AGAACTGGGG AGTTTACTTT TACTATCTCT TCTCCAGGAC
 172861 AGGACCTATC TCAAGAGACA TGTTCAGAGT GATTGCAACA TAAAGAGTTT GCAGACCCAA
 172921 GGAGGTAGGG AAGGCAGAAA GAAGATGGGG GAGGCCAGGG ATAGGCAACA GAGGAGTGAC
 172981 CAGGAGCGAA AAAGCCTGCC TCTTCTGAGA ACCTAGCTGG GCTCTCCCTG TACCCCCGAT
 173041 CCCTCCCCCCC CGCCCGCCCC CACACCCCTA CTCCCTGGAG CTCCTCTAGG ACAGGGGCAG
 173101 AGTCAGGAGG AAGTTTGAAG AGTGCCTAGA ATAAAAAAACA GTAATTAAAC TACAATTACC
 173161 GGGTAGGCTG TTTTCCCTCTC ACAATTGAT CAGTCTCTTG AAGCCACACA GAATTCTTC
 173221 TGAAGACGTG TATTCCCTGG CAGGCTATTT CCTCCAGTGA TACACCAGGC CCCTCTCTGC
 173281 TGGGGTCACT GCTCTCTGG GGAGATGGGG CTCCCTCCT TCCAAGGCTC CAGGGTTCCCT
 173341 GTCCCTGGCC CCACCATCT AAGTTCTGAA TCTCTGAGA TTTGGTGTAA AGTCTGGTGA
 173401 AAGAAAGAGC AGGAAAGAGG TGAGAGCTGT AAAACAAAGA AAGTCCTGAC CATTTCAGA
 173461 GTTGGGAGGGG CCCTGCTGTC ACGAAATATA TTCCCCACCC CACTTGCCT CAGTACACAC
 173521 TCACATATCC ACTGAGAAAA CCTTAGCCTG GACCTTTTCC GTAACCTTCA CTGCTCAGAC
 173581 ACTTACATAT TCGCTGCTAG TCCCCCTCTGT TGCTGCCACT TCCTGGTCA GGAAGTTAAC
 173641 TCAGACCGGA TTAAACTGAG AAGTGAACACT GTGAGCTGGAG GCGGGGCTCA TAAGATTTAG
 173701 GAGAAAACAA GTGACGTTGT TCATATCATT TGCACCTCCGC CTCTCCGGTA AAGGAGGGGG
 173761 AAACGTAGGA AGAAAATATC CTTCTTTAC AGCAATAAAA AGAAGGAACC AATTAATAAC
 173821 CCTGTAAACT ATCATGTGAC CCCAACACAG AGTATCTAAA AACAGGAAGC CTGCAGAGGT
 173881 TCAGTTCACCA GACTCTGATT TGAGATCTTT CTACTTTTGC CACCAACTCC CTGGGGAGTC
 173941 CTTAACGCTT CCTAGCTGAT GTTACTTCTT TTGCTATTAA TGGGTTGCTT GTGGTTCTAT
 174001 AACTGCTCTG AAGGGTGTGG TGGAAAAGG GGTGTTAACAA GCAGTAGGAC TCATTGGCAT
 174061 CACAAAATTC ATCTGAGTCA GCTTTCTATT CTTCTCTGTC CCGTTCTGTG TCTTGTGTTT
 174121 CTCCTTGCTG TCCTTCTGCA GGACTCAGAT CTTCTTCAAT AGCGAGGGTC AGCCAGGATA
 174181 GAAAATGGGA GTCACTAGTG GCCCAGCAGT GAGTGCCCCC AGCTTAGAGC TGTGTGGGAT
 174241 CCCTGGGACC ATCACTCTGC TTTGTGCTTT GTGGAGAAAA GGCTGTGGGG TCCAGGGTCA
 174301 AGTCCTTAAT GACTTAGCTC CAGCTCTCC ACTTCAAAT GAAAGGAAAA GTACTATCAC
 174361 CACCCGTAG ATTATTATT TCATGGGAA AAAAGATGGA TTACTATCTC ACAATAAGAG
 174421 CTTGTCACAT TTATAAGTCT CAGGTGAAG AGGCATTAT GATAACAAACA TAATAATGC
 174481 TGGCTTAAGT AGATGCAGTG GTCCAAGGGA ACCAGTAAGG GGAGCTCAGG ACACAGGTGG
 174541 GAGGAGAAAT TAAACTTGAA TTCTGGGAGC CACTGGCCTG TCTGGGGCCC TGGCCTGCCT
 174601 GCTGACCCCTG ATAGCCAATG GAACATGGAG TTTGGCCAG CTGCAATCCC TCTGGTCCAA
 174661 CTAACCAAA TAAAGGCAAG ATTGGGAAAC ACGTTCCCTT CTTCTTACAC CAAGCAGAAG
 174721 ACTCTTCAGC ACTGCACCCCT CCTGGGTGCT CACAGAGCCT TCTGTTGTT TGCCACCTAC
 174781 GATTCACTCAT GCCCTGGCAT GATGGTTGCA GACCCCATGC ATAGCATGGG ACATTCTACT

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174841 CCTGAGGCAA CCAGCACACA GAGAGAGGAG AAAGAACATGAG CCCCTGAATC CTTGGTCCCA
 174901 CGATGAGTCC TTGCAGATAT CTACAACTTT CATTGTTGTG GATGTGACTC TGTACCCAGG
 174961 CATGGCTCAT TCCAGATCTG TCCTATTGTC AGAGGTGTTA AAACCAGAA GACTCCATT
 175021 TGAATGGGGG CTAGGTAAAA TAAGGCTGAG ACCTACTGGG CTGCATCCC AGGAAGTTAG
 175081 GCATTGTAAG TCACAGGATG AAATAGGCAG TTGGCACAAG ACACAGGTCA TAAAGATCTT
 175141 GCTGATAAAA CAGGTTGCAG TAAAGAACG GACCAAAACC CACCAAAATC AAGATGGCAA
 175201 CAAGAGTGGC CTCTAGTCAT TCTCATTGCT CATTATACAC GAATTATAAT GTGTTAGCAA
 175261 GTTAGAAGGC ATTCCCACCA GCTCCATAGT GGTTTATAAA TACCATGGCG ATGTCAGGAA
 175321 GCTACCCTAT ATAGTCTAAA AAGGGGAGGA ACGCTTGTT CTGGGAATTG CCCACATCTT
 175381 TCCCAGAAAA CATATGAATA ATCCACTCCT TGTTTAGTAC ATAATCAAGA AATAACTGTA
 175441 AGTATCTGTA TTAGTCCATT TTCACACTGC TGATCCAGAC ATACCTGAGA CTGAGTAATT
 175501 TATACCAGGA AAAAATGTTT CATGCTCTTA CAGTCCCACG TGTCTGGGA GACCTCACAA
 175561 CCACAGCAGA AGGCAAGGAG GAGCAAGTCA GGTCTTACAT GGATGGCAGC AGGCAAAGAG
 175621 CTTGTGCAGG GAAATTCCCT CCTATAAAAC CATCAGGTCT CATGAAACTT ATTGACTATC
 175681 ATGAGAACAG CAGTATAAT TACTCAGGG AAGACCTGCC CCCATGATTC AATTACCTCC
 175741 CACCAGGTCC CTCCCACAAT ATGTGGGAAT TAAAGATGAG AGTTAGGTGG GGACACAGCC
 175801 AAACCATATC AGTATCCTTA GTCCAGAACG TGATGCTCTG CCTGTAGAGT AGCCATTCTT
 175861 TTATTCCCTT ACTTTCTTG CTTCACTTTA CTGTGTAGAC TTGCCCCAAA TTCTTCTCA
 175921 CACGAGATCT AAGAACCTTC TCTTAGGGTC TGGGTTGGGA CCCCCTTCT GGTAAACACTA
 175981 TCAAAGGATC AGGAAAAGGA AGCTAGTGA TGCTAAAAG GAAACAAACT ACCATTACCA
 176041 ATAATAACAG CAAGACAAAA GCAAAACGGA TTGTGACAGC TGTCCCATCT CACACCTGTT
 176101 TCCCATTGCA GGAAGGAGGG GCTGGTCAT GCACAGAGTG GCCAATATTA GAAGCAGAGA
 176161 GGGGGTGCAG ATGAGACTTC AGGAATATGT TGACAAAGGC AGGCCTAGGG AGAAATCAAC
 176221 CTGAACATAC CCCAAGGAGG AATGCATTAT CTCTAATATG TAAAGTTAGG CTTGATCCTG
 176281 TGATTATGGG ATATAGGAGT CCAAAGACTC ACAATGGGA GTAGGTCACT AGAGTCTCCT
 176341 TCAGAAGCTC TGTACTGTGT GTTCCCACTG TGGGCAAGAG TCAGCACTCA GCTATTCTA
 176401 GAATGCCTT CCTCAACTCC TTCAGATTTT GCCTCTCAAC TAACCCTATC CTGACCACTT
 176461 GTTAGCAAGT GTACCCCTCT CTCCCTCCA AACATTTCA AATCTATTT GTCCCCATGG
 176521 CACTTATCAC TGAATATTTT ACTAATTAT TTTGTTTAGT GTTGCTTCC CTCATGAGAA
 176581 TGCAAAGGG TGGATTTTT TCAATATTGT TCACTGATGA ATCCCAGTAA CTAGAATATT
 176641 TCTAACGATA GTGATGTGCA TTAAATCAA GAGTAACCTT CTGAATTGCA CTAACACAC
 176701 ATCACAAGAG GTGTGTGCAC ATATGTCAT GATGCACGTA GTGTGGTGTG GGTGTTGTGT
 176761 GGGGTATGTG GTACTGTGT TGCTGTGTG GGTATGTGAT ACATAGTTG TGTTAGTGTG
 176821 ATGCATGTGA TGTGGTATGT GTGTGGTGTG CCATACATAT TAGGGGTGGC GGGGATGTTA
 176881 ATATGTCAAA TGGTACTAGA AAGTATCAGA ACTCATGGTG CTTACTGGTT TCCCAGAGAG
 176941 CTGCTTCTCT CCCACCTGTA GGATATACTG ATGGTTGGA CAGAGAAGAA ATAAAAAGAA
 177001 GGCTGTGACC TACTGGCTG AGGAAATAAA AACGAAAGTA AAAGAACAGC TGGGAAAAGA
 177061 GAGTGGAGGG GCCAAGGGAA ATTTCCCTT TGGCTTCTGG GGAAACTTTG CTGAAAATC
 177121 AACTCACAAA TTTATTAAACA TGTACACAGG GAGAACATA GAATGATTAT CCACTTCCCA
 177181 AGAGGGCTTA AAAGCTTATA TATTATCCTG GCAAAACAGA TTATGGGAGG GGAAGAAGAG
 177241 AAACTCTGTT GATGGGATTA CTGTTGCGGA TTTTGCTCC TTCGCTCAGC TAGGTCCGG
 177301 TTTTGCTCT ACAGCCAGGA AGAATTAGGC ATGCAGCCAT CAAAGAATGA GTGGAGTAGA
 177361 ATTTATTAAAG TGAAAGGAAA GCTCTCAGCA AAGACAAGGG TCCTGAAAGC AGATTTCTGG
 177421 TTTGCTCTTC ACAGTTGAAT ACTAGGGCTT AAGACTCAA TTCTGACAA CTCCACCTG
 177481 TCCTTACCAAGT GCATGCAGGC CTTTAGACTG AGCTACTCCA TATTGATTAA TTTCCTGAAAC
 177541 TGCGCATGTG TTAAGGAAAG GAATCATCCA CTGCAGGCAT GTTTAGGCAA GCCCCCTGTG
 177601 CAAGTTCCCT TATCTGCACA AAACATCCGG TGTAAAGCACT TGTGGGGCAG GTCAGAGGTT
 177661 CTCTGGGTAC CATTCCCTTA CTGTCTGCCT AAAGCAAGCT GGCAACTCC TTTCATTACT
 177721 AGGGAGAGTA AGTAGATCAG GGAACAGAGA TTAACCTGAA CATTATCTTG TGAAAGTCCG
 177781 TTCGGGCATG GTTACATTCT TGGTCTTACA GGAAGGGTAA ATAAAAATAA TTGCTCTTTT
 177841 TGGTGGGTCT GGATCTTAGG TAGATAAAAGA AACTTTAATT CCACGATGTG TTTTGGTAGG
 177901 GATAGTTGGT GGCAGGGATG TCAGAGAGAC TTTGAGGCTT CTTCAGTTCA ATATGACCAA
 177961 GGGCCATATA TTAGGGTATC AATTCTGAG CCCAACAAAG AGCTTAGGAG AGATGTGATA
 178021 GCATCACAGT GTGAAAGCAA TTTTTGTCT GTTTTAGAG ACAGGCTCTT GCACTGTCAC

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178081 CCTGGCTGAA GTACAATGGT ACGATCACAG CTCACTGTAA TCTTGAAC TG GGTTCAAATG
 178141 ATCCTCCCAT CTAAGCATT CAAAGTGTG GGATTACAGG CATGAGCCAC GGTACCCAGC
 178201 CTGAAAATGC ACCCACTTTC TGATAAACCT TTCAAATGAC TAAAGGGAG AGAGTAAGCA
 178261 CTACTCAGAG GTAGGAAGAA AGGACACAGG ATTATAGGAT TAAAACAACA ACCACCAAAA
 178321 AAAACCAGAC CGGTGTGGTG GCTCACACCT GTAATCACAG CACTTGGGA GGCTGAGGTG
 178381 GGGGGAGTCA CTGGAGGCCA GGAGTTCGAG ACCAGCCTGG CCAACATAGC AAGACGCTGT
 178441 CTCTATTAAA AAAAAAAAT ACCTGCCCTTG AGCTAATCAG AATCATGGAC CCTGACAAAG
 178501 GATGTCCCAA AGTAAGTCTT AGCATTTTTT TTTTTTTTTT GAGACAGTCT CGCTGTGTTG
 178561 CCCAGGCTGA AGTCAGTGG CGTGATCTCG GCTCACTGCA ACAGCTGCCT CCCAGGCTCA
 178621 AGCAATTCTC CCTGCCCTCA GCCTCCCAAG TAGCTGGGAT TACAGATGCC CACCACCAAG
 178681 CCTGGCTAAT TTTGTTTTT TTTAATAGAG ATGGGGTTT GCCATGTTAA CCAGGCTGGT
 178741 CTTGAACCTCC TGACCTCAAG TGATCTGCC ACCTTGGCCC CTCCATAGTG CTGGGATTAC
 178801 AGGCAGTGAGT CACTGCACCC GGCAAAGTCT TAGCATTCTT TACAAACAGT TTGTACCGT
 178861 ATCTCTAAAA GGGAGTAGTG AATTTCACCC CAAATATGG CTTCTGATA TAATGAGTAT
 178921 TTTGAATGAA AAACCTCTAG AGATCAACAG ACACAAAGA GACTTTCCC TAGGTACATA
 178981 AAAATAGGAT GGCCCCACCA GCGAGAACAA TTGTTCTTT CTCCCTCCCT GTTATCTCAT
 179041 TGTGCATTAT AGGAAAGACC AAGAATGTAA CCACACCTGA ACAGACCTT TTATAAGATA
 179101 ATCAGTCTCT AAGCATCATT TAAATTCCA GGAGAACTAT TTACAAATT ATCTGTTCTT
 179161 TGATCCAATT AGTCTCTCCT GGTAGTTACA TATTGCCCT CAACAGAATT CCTCTTCTTC
 179221 TGTTCCTCAT AACCTATT TGTCAAGGATCA AGCCCCTGTT ACTTCTCAA CTTCAAGTTG
 179281 GCATATAAGC TTCTAAATT CACTGGATA TTGGTACTAT GTGCATGAGG AGAACACAG
 179341 AGTAATTAAA TTGAAAGCC TTTTATCTTA TGAATCTGCC TTTTTTGTG TTCATTTC
 179401 AGCAAAACTT CCAAGGGCAA AGGTATAAAA CAAAATAAA ATTCTAAAGC CCCCCAACCA
 179461 TCTGAATAGA CTTTCTCTTC AGTCAGGCTT CTTAAATGT AACCTGAAAG ACTGGCTCAG
 179521 GCCATTAAGG GAAGTGGGG TTGAACATGC CTCAATTATTC CTCTCTGGCA TTAACATCAA
 179581 CACAGCTTT AAGTCTGATA AGAAACATT TACAACCTAT TCTCTTGAA GCCTGCTAGC
 179641 TAAAAACTTC ATCCCATAGT ACAACTTTGG TCTTCACAAC CTGTTATCAC AACCTAGTGC
 179701 TCCTTCTAT TAATCCAAA TCTTATACA AACTCAACCA ATTGTATCA CCTCCACCCC
 179761 ACTCCTCCGC TGCTTCCAGT TGCCCGCT CTCTGGACCA AACCAAGTGA CATTCTTAA
 179821 ACGTATTGAA TTGATGTCCC ATGCCCTCCCT AAAATGTATA AAGCCAAGGT GCATCCCAAC
 179881 CACCTTGAGC GCTTGTCTC AGGACCTCT GAGGGCTGTG TCATGGCCA TGGTCACTCA
 179941 AATTGGCTC AGAATAAAATC TCTTCAAATG TTTTACAGAG TTTGGCTCTT GTCATGACAC
 180001 AGATGACTGC TTCACTGAAG CCTGCTCTGG AAGTGAGTGG GGGTTTGCA AGGATAATT
 180061 TCCCCGGATA GCCCCAGAAG CAGCTAGTAA TAATACACTT AAAGGTAGCT AAAATGCATT
 180121 GAACACTTGT TTTGTGCCAG ACCTATGTCA ACATTTGCTT TGTGCCAGGC TTATGCCAGT
 180181 ACTCCTGATT TGTTAATACA TTCTAAATAA AAATTCTGGA GTTTCAAATA TAATAACTGA
 180241 AAAACAGAAA ATAATAAAA ATATATAATA ACTGAAATAA AAATTACTA AGGCTGGGG
 180301 TGTTGGCTCA CTCACACCTG TAATCCTGTT ACCGGAAAGG GGTCCGCTCA GATCCAGACC
 180361 CCAAGAGAGG GTTCTTGGAT CTCACACAAG AAAGAATTGCG GGCAGTCTG TAAAGTGAA
 180421 GCAAGTTAT TAAGAAAGTA GAGGAATAAA AGAACGGCTA CTCCATAGGC AGAGCAGCTC
 180481 TGAGGGCTGC TGGTCGCCA TTTTATGGT TATTCTTGA TTATGTGCTA AACAAAGGGT
 180541 GGATAATTCA TGCCCTCATT TTTTAGACCA TATAAAAGTAA CCTCCTGACG TTGCCATGGC
 180601 ATTCGTAAAC TGCGTGGCG CTGGTATGAG CATAGCAGTG AGGACGACCA GAGGTCACTC
 180661 TCATCGCCAT CTTGGATTG GTGGGGAGCA GTGAGGATGA CCAGAGGTCA CTCTCATCGC
 180721 CATCTTGGAT TTGGTGGGGT TTAGCCAGCT TCTTACTTT TTTCTTTTT TTTTTTTTT
 180781 TTTTTTTTTT GCCCAGGCTG GAGTGCAGTG GCACGATCTC AGCTCACTGA AACCTCCAAT
 180841 TTCTGAGTTCA AAGCGATTCT CGTGCCTCAG CCTCCCAAGT AGCTGGGATT ACAGGCATGT
 180901 GCCACCACAC CCAGCTAATT TTTTATATTT TTAATAGAGA CCGGGTTTCG CCATGTTGCC
 180961 TACGCTGATC TCCAACCTCT GCGCTCAAGC CATCCAGCCA CCTTAGCCTC CCAAAGTGCT
 181021 GGGCTTATAG GTGTGAGCCA CCCCACCTGG CCTAGCCGGC TTCTTACTG CAACCTGTTT
 181081 TATCAGCAAG GTCTTATGA CCTGTATTT GTGCCCACTG CCTGCCTCAT CCTGTGGCTT
 181141 ACAATGCCATA ACTTACAGGG AATGCAGCCC AGCAGGACTC AGCCTTATTT CACCCAGCTC
 181201 CTATTCAAGA TGGAGTCTT CTTGTTCAA TACCTCTGAC AAGCCCAACA CTTTGGGAGG
 181261 ATGACACAGG AGGATTGCTT TAGCCTAGGA GCTCAAGACC AGCCTGGCA ACACAGTGAG

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181321 ACCCCATCTC TAAAAAAA AAATACAAAA AAATTAGCCA GGCATGATGG TGTGTGCCTG
 181381 TAGTCCCTGC TACTCAGGAG GCTGAAGTGG GAAGATGGCT TCAGCCCAGG AATTCAAGGC
 181441 TGCATTGTCA GAGGCATTG AACCAGAATG ACTCTATCTT GAATAGGGC TGGATAAAAT
 181501 AAGGCTGAGA CCTGCTAGGC TGCAATTCCA GTATGTTAGG CATTCTTAGT CACAGGATGA
 181561 GATAGGAAGT CAGCACAAAGG TACACATCAC AAAGACCTTG CTGATAAAAT AGGTTGTGGT
 181621 AAAGAACGTTG GCCAAAACCC ATCAAAACCA ACATGGCCAC CAAAGGGACC TCTGGTTGTC
 181681 TTCACTGCTC ATTATATGTT AATTATAATG TATTAACATG CTAAAAGACA CTCCTACCAAG
 181741 CATCATGACA GCTTACAAAT ACTGCGGCAA TATCTGGACT TTACCTTATA TGGTCTAAA
 181801 GGTGGAGGAA CCCTCAATT TGGAATTGT CCACCCCTT TTTGGAATGC TCATGAATAA
 181861 TCCACCCCTT GTTCTAGCACA TAATCCAGAA ATAACATATAA GTATGCTTAT TTGAGCAGAC
 181921 CACGCTGCTG TTCTGCCTAC AGAGTAGCCA TTCTTTATT TCCTTACTTT CTTAATAAAC
 181981 CTGCTTTCAC TTTACTGTAT GGACTTGCCC TAAATTCTTT CTTGTGTGAG ATCCAAGAAC
 182041 CCTCTCTTGG GGTCTGGATC AAGACCCCTT TCTGGTAACA TCTTCTGGT GACCACGAAG
 182101 GGACAATACT GAGGAGAGTC TGAAGCCAA GGAAACAGAC TACAGCACCA ACTGGCTGAC
 182161 TTTGGGTAAG TGGTGGAGTC CCCGGGTAAA GGATAGGATT GGGTTAGAGG TGCAACTTAG
 182221 GGGAGATAGG GTCTCTCCTA AGACAGAGAG CGTTTCAGTC CGCTCTTAAT AAAGGGCAAG
 182281 AATGCTTGAC CGAACATTGGG TTTGAGACCC AACTTAGGAA GGCTACAGTC CTTAAGATT
 182341 AAGGGGTTAG AGGCCCTCT CAGTAAAGTC TCTCTGGTT AAAAACGGAT TTAGCATTAG
 182401 GGGATGTTAA CTGCTATTCT GTTGTATTA ATCTTCCCTG TGCTCTTGC TGACAGCTAT
 182461 GGGTGACAGG ATTAGGCATG TACAGGATCA CGGGACATTG GGAACTTTC TTCTCTCCAA
 182521 AAGGGGAAGC TTGACAGCTG ATAGGACTGT TGAAAAGAT CCCTTGCTA TGACAAGCAG
 182581 CCGCCTGAAC TTTTGATTCA GTGTTGCTGC AATGGGTGGG TCTTCTCTG GCCTCTGTGA
 182641 ACTCCTCACC TTCCCCACCT CACCACAGGC AATGCTTTTC TCCCTTCTC TCTTTCTCT
 182701 TTTCTGTCTT TTCTGTTACT TGAGACAACC ATCTTGCCC GAGACCATAT GTTGAACACTC
 182761 CTGGTCAGAA GTTTGATTAA AGATGAAAGG GCCTATCTGG GGGCAAGTTT GAGCCTTCCC
 182821 AGTTAGATAT TGGGTGCTAA GTGGAGTGGC CAATGTCTAT GTTTGTAC ATGTATATTG
 182881 CTCTGGCTGA AATGGAAAAC GTTAATTGG TTACTTTATG TGGCCATTGG GCAGCATCTT
 182941 ACAAAAGTGA GAGACATTAA TTTGCCTGTG GTTCCATGAA ACAGAAAAAA GTTGGTTTT
 183001 CTTTGTGTG TAGCTTGGAC CCAAGGGCTT TGCAGTGAGC AAGGTTGCTA GCGCTGCTCA
 183061 GTGAAAGAGA ACCCAGAAC CTGGCATGCC AGCAAAAGGG TAAAGATTTC TTACCACTCA
 183121 GGCTTCTGGC CTCTCTCTCT TAGTGAAAAC TGAATGAATG GTAAAAATCA CTGTTTATCA
 183181 CCTCTGTAAA GTTTGATTAA ATGGGAACAA GGATTTGTGG GGCTAGTCTT AAGCTGTAAT
 183241 GAATCTGGTA TACTTGTGA TATCAATTG TCTTCTGTA TTACTCTGTC ATAAAGAGGA
 183301 ATATGGTAGG ATAGAACATG GGCTTAGGAC TCCATAAGCC TGCTGTC CAGGCCAG
 183361 TAAACTGGTC CGTTGCAAAG TTTATTACAG GTCCCTGGAA AAAAAAAA TTAAAAACTG
 183421 GATGAAGTTT CCTCTCTCATC TTGTTTATG TCCTTGGAG CTTCACCTTG TAACCACGTG
 183481 GCGGTACTTT CTCTGGTCT CTGCCATCCA GGGAACAGGA ATTTTGGGT TTATGTAATA
 183541 GTTAACTCTA AAAATTATCT CAAGCCATTG CAAGCTAAA ATTGGCTGCT CTGGACCCCT
 183601 TCTGGGAAGG GCAATGGAAA CTAACCAGTG TTGAGTCTCA GCAGCTAAGG ATTGTCATT
 183661 TTATAATGGC GGCCAAGGTT CAATCCTGGC TTAGGAATG AGTACTTCT GATTGATATC
 183721 TGTGTGACCT TTACCATTTG TTGATTCTGT TCTCTTCCCC TCCACACACT GTCTTGAGTT
 183781 TTCCTCTCTC TGAGAACCTG GGAGATTATC TTTGGTAAAG TTCAAAAGCC AGAAATAATG
 183841 GCCGTGTGGG ATGGCTAAAG TTGAGTAATA AGAAACTTAA AAGGACTCCT TTTTTTTT
 183901 CTTTAGAGTG CTATGGTTA TGGTTAAAAG CTTAATTAAA AGTGGATATT CAATCTCTAA
 183961 AAGCCTGGGA CTCCCTGGGA AAAGCAGAGG AGGCACCACA GACCCCATTT TGGGAAACCC
 184021 TCTGTTTCC TCATGAAACC CCAGGAACCTG GAAGTGGATA GATCCTTCGC AAAATCTAAG
 184081 GCTCTGTTG GCTTGCATT ATGTTATCTG ATGTTTTGA CTTTTGGGG TATCAGAAAT
 184141 TACTTGTGAT TATGAGGGAG ATCTGGTGTG TAATAACCAG GTAGGAAATA TACTTCTGGG
 184201 GATAGCTAA GGCAAAATATA GGTGAATACT TGGCTATTTG CACTTTGGA TCACAAGAAC
 184261 CATTCTCTG ACTACCTAGA AGGTATGGAA ATGTCCTCAT CCCCCACCGAG AGATAAGATT
 184321 CCCAGGGGAG ATGGCTGATC CCCCCAAAGA GGGCTGATTC CCTCTTTGG GATCCAGGAT
 184381 CTGGTATAAA AATGGGACCC TGGCCAGGCA CAGTGGCTCA CGCCTGTAAT CTCAACACTT
 184441 TGGGAAGCCT CAGAGTTATG AATGTCCTCAC CATACTGACA CTTTGTGACT GAGCTCCTCT
 184501 CTACCCCTGGA CACAAGAGAC CCTAATAATT AGACAGGAAT ATCATTGCC CTTAGTC

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184561 TGAAGAAGTT ATAGAAGATG GATCTTATC CCACTGCAAT CCTTAGGATT AAGGGTTCCC
 184621 TGGTAAAAGG GAGTGGAAA ATATGTCAGA GGCATTTGAA TCAGAGTGAC TCCATCTTGA
 184681 ATAGGGCTG GGTAAAATAA GGCTGAGGCC TGCTGGGTTA GGTTAGGCAT TCTAACCAAGG
 184741 AGTTTAGTCA CAGGATGAGA TAGAAGGTTG CACAAGGTAC CCGTCACAAA GACCTTGCTG
 184801 ATAAAATAGG TAACCGTAAA GAAGCCAGCT AAAGCCCACC AAAACCAACA TG GCCACAAA
 184861 AGTGACCTCT TGTCATCCTC ACTGCTCATA TACACTAATT ATACTGCATT AGCATGCTAC
 184921 AAGACACTCC CACCAGTGC ACAGACAGTT ACAAAATCCA TGACAACATC TGGACGTTAC
 184981 CTTATATGGT CTAAAACGGG GAAGAACCT TAGTTCTGGG AATTGTCAC CTCTTCCCTG
 185041 AAAAATTCTT GAATAATCCA TTAGTTAGC ACATAATCCA GAAATAACTA TACGTCTGCT
 185101 TATTGAGCA GTCCATACTG CTGCTCTGCC TATGGAGTAG CCATTCTTT CTTTTATTTT
 185161 TATTTTTTAG ATAAAGACTC GCTCTGTCAC TCAGGCTGGA GTCTGGAGTG CAGTGACGTTG
 185221 TTTTGGCTCA CTGCAACCTT CACCTCCGG GTTCAAGCAA TTCTCCTGCC TCAGCCTCCC
 185281 AACTAGCTGG GACCACAGGT GGGTGCCACC ATGCCCTGGCT AATTGTTGTA TTATTAGTAG
 185341 AGATGGGTT TCGCCATGTT GGCCAGGCTG GTCTCGAACCT CCTGGCCTCA AGCGATCCAC
 185401 TTGCTTGGC CTCCCAAAGT GCTAAGATTA CAGGCATTAC CCACTATGCA TGACCCATTG
 185461 TTTTATTCTT TAACTTTTT TTGTTTTTT GAGACAGAGT CTCACTCTGT CACCCAGGCT
 185521 AGAGGCTGGA GTGCAGTGGT GCGATCTGG TTCACTGCAA CCTCTGCCCTC CTGGGTTCAA
 185581 GCGATTCTTC TGCCCTCAGTC TCCTGAGGAG CTGGGACTAC AGACATGTGC CACTACACCC
 185641 AGCTAATTG GTATTTTTAG TAGAGACAGT GTCTTGCCAT GTTGTCAAGG CTTGTCTCGA
 185701 ACTCCTAACCTC TCAAGTGGTC TGCCCTGCCAG AGCCTCCCAA AGTGTGTGA TTACAGGCAT
 185761 AAATCACTGC GCTCGGCCCT TCTTTACTTT CTAAATAAAC TTGTTTCAC TTTACTGTAT
 185821 GGACTAGCCC CAAATTCCCTT CTTGTGTGAG TTCCAATAAC CCTTTGTGT GTGAAAGAAT
 185881 TTATGGCTGC TGTCAGGCT GGAGCAAGCT GGAGCTCATG CTGCTGCTCA GACTGGAGCA
 185941 TCGGTGATCT GTGATCCCAG TAAGAGGATC ATGGTCACTC CAGCCTGAAC GACAGCATGA
 186001 TATCTCATCT GTAAGAAAAA AAAAATTACT AGAGGGCTTT AACAGCAAAT TTGAGCAGCA
 186061 AAAAGAAGTA ATCACTGAAAC TCAAAGATAG GTCAATTGAA ATGATCTACT CTGAAAAAAC
 186121 GAAAGAAGAC AGAATGAAGA AAAAGAAATA GAGCCTTAGA GACAGGGAT ACCATCAAGC
 186181 ATACTAATAT ATGCATAATG GGACTCTAG AAGGAGAAAA GTGAGAGGAC AGGGAGAGAG
 186241 AATGTTGGA GAAATAATTCTT CTCAAAGCTT CCCATGTTG GCAAAAAAAC ATTAACCTG
 186301 ATACATATTG TAGGAGCTCA ATGAATTCCA AGTAGGATAC ACTCAAAGAG ATCCATACCT
 186361 AGACACATCA TAATCAGATT ATCAAAAGAT GAAGAAGATG AATCTTGAGA GCAGAAAGAA
 186421 AGGAACAATT CATCACATAC AAATAGTACT CAAAGATGT CTGGAGTAGG TATACTAATA
 186481 TCAGACAAAAA TAAACTTTAA GATAAGCATT GTTATAATAA ATAAAGAAAG GTATTTGTA
 186541 ATGATAAAAG TGTCAATTCA TCAAGAAAAT ATAACATTAT AAACATACAT GCACCTAAC
 186601 ACAGAGCCCT AATATTCTAG AAACAAAATC GACAGAATTG AAGGGAGAAA TAGAAAATTC
 186661 GACAATAATA GTTGGAGACA TCAATACCTC ACTAGTTAGA CAAGATCAAC AAAAAAATAG
 186721 AAGACTAAC ACTTGAAAAC ACCTAACCTG ACCCTAACAT AAATCTATAG GTCACTACAC
 186781 CCCAAAACAG CAGAATAAAC ATCCTTCTGA AGCTCACATG AAACATTCTT CAGGATAGAC
 186841 TGTATATTAC TTCATGAAAT AAGTCTCAAT AAATGTAAAAA GGACTATAAT AATAGAGTAT
 186901 ATATTCTCTG ACCAAAGTGG AATGAAGATA GAAATCAATA ACTAGGCTGG CGGTGATGGC
 186961 TCACGCCTGT AATCCCAGCA CTTTGGGAGG CCAAGGCGGA CAGATCACGA GGTCAAGGAGT
 187021 TTGAGACCAAG CCTGACCAAC ATGGTAAAC CCTGTCTCTA CTAACAAAAT ACAAAAATTA
 187081 GCCAGGCCTG GTGGCATCTG CCTGTAGTCC CAGCTACTCG GGACACTGAG GCAGGAGAAT
 187141 CACTTGAAACC CAGGAGGCAG AGATTGCACT GAGCTGAGAT CGCGCCACTG CATTCCAGCC
 187201 TGGGAGACAG AGCGAGACTC CATCTAAAAA TTAAAAAAAG AAAAGAAACT AGAAAATAA
 187261 GAACAAATCA AACCCAAAGC AACCAAGAGG AAAATGAAAAA ATTTCAAAGC AGCCAAGAAC
 187321 AAAAGGCACA TTATGTACAG AAGAACAAAGT GTATAGATCA CATATTCTC ATAGACACAA
 187381 TATAAGCAA AAGACAGTGG AGCAAAATT TTTAGATTAA TGAAAGACCT ACAATTCTGT
 187441 ACCAAGCAA AAAACTCCCC CCAAATGAGG GTGAAATAAG ACAATTAAAT ACAGAGAAAA
 187501 GAGGAAGGAA TTTATCTAGT CATATGTGAG AGTTTTATGA TACATTGTT ACTGTATATG
 187561 TGGATGTTT CTATTCATT TAAAAAAATCA ACCGTGCAAT TAAATGGTAG ATTGTCTTGC
 187621 TTCTTTGAA TTGACACAGT CATTAACTAA AATATTGTAG TATTTTTTA TCTCCCTGCC
 187681 TAAAGGCAAT AAACATCTAA TCAGCAGACT AGAACAAATAA AAAATATTTT TTAAAAGTCC
 187741 TTTAGGCAGA ATGATAAAAG TCCCTTAGGC ATATTGAAAT TCCTATTAT ACAAAAGGAAT

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187801 AAACAGTACT AGAAATTGTA ACTATGTGAG TAAACAGATA ATATTTTTTC TCCATAAAAAT
 187861 GTGGTTGACT ATTTTCACAA AAATAGTTAA CAATGTAATG TGTGATTTAT AGCATTAAA
 187921 AGTAAAACAG GCCGGGCACA AAGGTTCGTG CCTGTAATCC CAGCACTTT GGAGGCCGAG
 187981 GCGTGCAGAT CACTTGAGGA CAGGAGTTCA AGACCAGCCT GGCTAACATG GCAAAACCCC
 188041 ATCTCTACTA AAAATACAAA AATTAACCAAG GCGTGGTGGT GCACGCCTGT AATCCCAGCT
 188101 ACTCTGGAGG CTGAGGCACA AGAACACTT GAATCCAGGA GGTGGAGGTT GCAGTGAGGC
 188161 AAAATTATAC CACTGTGCTC CAGCCTAGGC AACAGAGCTA GACTCTGTCA CACACACACA
 188221 CACACACAAA AGAAAAGTGT ATGACAACAA CAGTGCAAAA GAAGCGAAA TGAAAATAAT
 188281 GTTATTTTAT ATAAGTGGTA TACTTTAGA TGAACATCGA TAAATTAATG ATGTATACTA
 188341 TAAACTCTAA GGCAACCACT GAAATAATGA AACGAAGAAT TATGGCTAAC AAGCCACAAA
 188401 AAGAAATAAA ATAGAATGAG AAAAAATATT TAAGTTGTTTC AACAGATGGG AAAAAAAAAGA
 188461 GGAAAAGAG AACAAAGAAC AGATGGGACA AATGGGAAAG TAATAGCAAG ATGATAGACT
 188521 TAACTCTACC CATATAGATT ATCACACTTA AGGTAAATGA TCTAAATACT CTAATACAAA
 188581 AGCAGAGGTT GTCAGATTGA ATTAAAAAAA CAGACAACAA CAAAAAAAG CAAAAAAAGA
 188641 GCCACAAACAT GCTGCCTACA AAAATTCAC TTTAATATAA AGACACAAAT AGTCTAGAAC
 188701 ACCATCACTT TTAACTTATTT TTACTCAAC CTCCTAACTG ATCCCTATTT ATTTATTTAT
 188761 TTATTTATTT ATTTATTTAT TTATTTTGA GACAGACTCT GACTCTGTTG CCCAGGCTGG
 188821 AGTGCAGTGG CACCATCTAG GCTCACTGCA GCCTCTACCT CTCGGTTCA AGCGATTCTC
 188881 CTGCCTCAGG CCTCCCAAGT AGCTGGGACT ATAGCACATG CCACCATGCC CAGCTAATT
 188941 TTATATTTTT AGTAGAGACG GGGTTTGCC ATGTAGGCCA GGTTGGTCTC AAACGCCTGA
 189001 CCTCAGCCTC CCAAAGTGT GGGATTACAG GCGTGAGCCA CAGCACCCAG CTCCCTTTCA
 189061 TTTATTCTTG CTACGCTTCC TCCAATCCAT TTTGTGCATT TGATGATTTT GCCAGTAACT
 189121 TCTTTATTTT TCTGGTAAAA TTACTTATGG GTCACTGAGG ACTGGGATGT TCTTCTTCT
 189181 AGAGGGGGTT TGTGCTGCT TTTGCCAGGA AGCTGGGTA CCACCACTCA AGTATTACTT
 189241 TAAACTCAAT TCATGAATTG AGACTTTTTT TTTTTTTTTT TTTTTTACGC AGAGTCCTAC
 189301 TCTGTCACCC AGGCTGGAGT GCAGCGGTGT GAACATGGCT CACTGCAGCC TCAACCTACT
 189361 GAGCTCAAGC AATCCTTCTG CCTCACCATT CTGTATAGCT AGGACTACAG GTGTGTGCCA
 189421 CCATGCCTGA CTAATTTTTT AAATGTTTTT TTTAGAGATG GGGCTCACTT TGTGCCCCAG
 189481 GCCGGTCTCG AGCTCCTGGG CTCAGTGAT CCTCCCACCT TGGTCTCCC AAGTGCCTGG
 189541 GTTACAGGCA TGAGCCTCTG TGGCTAGCCA AGACTTTTA TTTTTAGCC TAAATGTGTA
 189601 TAAAAGTTGG CTTGTGGTTA CAACTTATCA GGATTGATGA TCTCTCTC TCTCTCTC
 189661 TCTGTCCTC CCCACCTCTC TCACATCCCT TGCTCTGCTG AGAAGCAGAG CAAACATTCT
 189721 AGCAGTTTCC AGAGAGTAGG ATGGGATTAC TTCTAGTTA CTTTTATCAT CCTTTGGGAT
 189781 CGCAGTATTA CTGGGAGAAC ACAAGTATCT CTTATTAGAC ATACCACCTT TGAGAATCT
 189841 GGACTTTCAT TTTAGACTTT ATTTGTTTCA TACTATAAGC AATTAAAGTT ACAGATCTCT
 189901 CTACACACTG TTTAAGTTGC ATCCCAGTAA TTTGATGTG CTTTATTGTC ATTATTATAT
 189961 AGTACAATGT ATTTGTAAT TTTTGTTGAT TTGTTGGAG AGATTGATTA ATTAGAATGA
 190021 TGTTTAATTT CCAAATATGT GTGTTTTTT CCTACATTTC TTATTTTTAT TGATTCAAA
 190081 TTTATTTCTA CTGTAGTCAG ATTTAATAAT TCATTTATTT TTATTTTTT CATTTTTTTA
 190141 GAGACAGGGC CTTTCTGTGT TGCCCAGGTT TGCCCCAAC TCCTAGTCCC AAGCAGTTCT
 190201 CCTGCCTCAG CCACCCAAAG TGCTGGGATT ATAGGCACGA GCCACCCGTG CACAACCAAC
 190261 AATTCACTTA AAAAGTGGGC AAGTGAACATG AACAGACATT TCTCAAAAGA AGGCATACAA
 190321 TTGGCCAACA AATATATGAA AGAATGCTCA ACATCACTGT ATTAGTCTGT TTTCATGCTG
 190381 CTAATAAAGA CTTAACCTGA GACTGGGAA TTTACAAGAG AAAGAGGTTT AATGGACTTA
 190441 CAGTTCCACA TGGCTGGAGA GATCTCACAA TCATGGTGGA AGGCAAGGAG GAGCAAGTCA
 190501 CATCTTACAT GGATGGCAGC AGGCAAAGAG AGAGCTTGTG CAGGGAAACT CCCGTTTTA
 190561 AAACCATCAG ATCTCGTGTG ACTCATTCACT TATCATAAGA ACAGCATAGG AAAGACCCGG
 190621 CCCATAATTG AGTCACCTCC CACTGGGTTT CTCCCAGGAC ACATGGGAAT TGTGGGAGTT
 190681 ACAATTCAAG ATGAGATTG GGTAGGGACA CAGCCAAACC ATATAAATAA CTAATCATCA
 190741 GGGAAATGCA AATCAAACAC ACAATAAGGT ATCATCTCAC CCCAGTTAGA ATGGCTATTG
 190801 TCAAAAAAAC AAAAATAAC AAATGCTGGT GAGGATGTAC AGAAGAGGGG ACTCTTATAT
 190861 CCTACTGGTG GAAATGTCAA TTAGCATAGC CATTATGCAA AATAGTATGG AAGTGAGGTA
 190921 GGTTACATAG GGTGGTCACA GCCTCCCTTG AAAGGAAACA AGAAACTTGT CAAATTGATG
 190981 GAGAGAACAA ATCTCTTGAC ATTACACAAA CTGCATCTGG GGCTAGTGGT TAGAATATCC

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191041 TCAGTCAGG AGGTAGAAGA GCAGGAGGGA AAATCCCTAA GTTCGTGCAA GTGCAGAAC
 191101 CCACAAGCTG TGTTCTCAGG TTGACATATA CTCATTTAA TAGTAAGAAA CACACCCTTG
 191161 GGTAGAGAAT TAAAATGCTA ATAATACATG TGATGTATGT ACTAGCGTGT ATGGCAATAT
 191221 TGCATGCACA TTCAAGAGAC CACCCAAAAC ATATTTAAC ACAAATGCCA TTCCCACCCC
 191281 CTCATGGATA ATCACGTAGG ACTCCCATAA CGGGAGTTTC TTCAGTGTCA ATTGGTGCTG
 191341 AAGTAGCCGA CCCTGACTCT GCTATCAGCG TGTACTTTCA CCTTGCAATA AACTCCTTTG
 191401 CCTACTTTA CTGGACTG GCTTCAAT TCTTTGTGC AGGAAATTCA AGAATCTGAA
 191461 CCAGCCCCACT GACAACAGAG GTTTCAGA AACCTAAAAA TAGATCTACC AGATGAGGCT
 191521 GAAAATCTGC TACTGGCTAT TTATCCAAAG GGAAGGAAAT CAGTATACAA AGAGACACCT
 191581 ACATCCCCAT GTTATTGCG TCACTCTCA CAAGAGCTGA TATATAGAGT CAACCCCTAAA
 191641 TGTTCATTTA CAGACAAATG GATAGAAAAT GTGGCATATA TACACAATGA AATACTATTT
 191701 GGCCATGAGA AGAATGCAAT CTTGTCATT GTGGCAACGT AGATGAAACT GGAGAACATT
 191761 ATGTTAAGTA AGATAAGCTA GGATTGGAAA GATAAAACT ACATGTTATC ACTCATATGT
 191821 GAAAGTAGAG AAAAATTTT AGCTCATGGA TTTAGAGAAC AGAACTGTGG GTACCGGAAG
 191881 CTGGGAAGGG TAGCAAGGAG GGGAGGATAG GGAGAGGTTG GTTAATGGTG ACAAAATTAC
 191941 AGCTAGATTG TAGAAATGAG TTCCGGTGT CTGACCATT GTAGGGTGCA TATGGTTAAC
 192001 TCTCATTAT TGTATATTTT CAAAAAGCTA GAAAAGAATT TTGAATACTC ACAACAAAAT
 192061 AAATGATAAA TGTTTAAGGT GATGGATATA CTAATTACTC TGATTTGATT ATTACACATT
 192121 GTGTACACAT ATAAAAATAT CACTCTTAT CCCGTATATA TGTACAGTTA TTATATGTCA
 192181 ACTAAAAATA AAAGAAAAAA AGAATATGAT CTATCATGAT GTATATATCA TGTGTACTTG
 192241 AGCAAATGT GCATGCAGAT ATTGTGTATA ATGTTCTATA AATCAATTAG CTCAGATAA
 192301 TAGATAGGGAT TGTCAGATC TTCTGTGCT TTACTGATAT TTTGTCAGT TATTGCACTCA
 192361 TTACCAAAAA AAGGGTGTAA AACTCTCAA ATGTGATTGT AGAATTGTC ATTGTCCTT
 192421 TTCTTTCCA TTTTACTTT ATGTATTGT AAACCTCTGT ATGACATTTC GCTATGTATT
 192481 TTAAAACCTC GTTATGTATT TTGAAACTCT GTTGTAGAA TCATACATTT ATGATTATTA
 192541 TGTTTCTTG ATGAAATGAC CTTTTCTAT TGTCGTTGTT TTTGTTTTT CTGAAATGGA
 192601 GTCTCACTCT GTGCCAGG CTGGAGTACA GTGGCACAAT CTTGGTCAC TGCAACCTCC
 192661 ACCTCCTGGG TTCAAGCGAG TCTCCTGACT CAGCCTCCAA GTAGCTGGGA TTACAGGCAT
 192721 GTGCCAGCAT GCCAAACTAA TTTGTATT TTATTAGAGA CAGAGTTCA CCACGTTGGC
 192781 CAGGCTGGTC TCGAACCTCT GACCTCAGGT GATCCGCCA CCTCGGCATT TTATTTTAT
 192841 TTTATTTTT TGAGACAGAG TCTCACTCTG TCACCCAGGG TAGAATGCGG TGGTGTGATC
 192901 TTGGCTCACT GCAACCTCCG CCTCCTGGGT TCAAGCAATT CCCATGCCTC AGCCTCCCGA
 192961 GTAGCTGGGA TTACAGGCAC ATGCCACCAT GACTGGCTAA TTTTGTTATT TTTAGTAGAG
 193021 ATGGGGTTTT TCTATGTTGG CCAGGCTGGC AACTGACTCC TTTAACAAATA CAAAATATCA
 193081 CTCTGCTCT GGTAAACACTC TCTGCTTAA ACTCTATTTC AGCTGTTATT ATTATAGCCA
 193141 TTTTAGTCTT TTTATGCTTT CTGTTGCAT AGTGTATATA TTTTAATATG TTATTCTCA
 193201 AGTTATCTGT GTTTTATAT TTAAGATGTT TCTCTTCTAG CCAACGTGTT TGGTCTTGC
 193261 ATTTTAAGT CGATTCTAAC AATCTTGCC TTCAATTGA AATATTACCA CCATTAACAT
 193321 CTAACATTAAC CATTATTTT TCTTCCACA GTACACTGGC TAGCATCTCC CATATAATAT
 193381 TGAAACATAAA GTGTGATAAC TGACATCCTT ATTCATTC TACTCTGAGT GGAAAGGGCA
 193441 GGGGTGGAGA AAGCATTCAA CAATTGCA TAATTATAAT TCTTTTGTT ACACTGTTTT
 193501 CTTCTGCATT AAAAATATC ATTACATTTC GCATGAATTA TTAGGAGAAA ATATTTCCA
 193561 ATTTCCCTGG AAAATGCCAT AACCCAGTCT CTCATTTTG TTTCCATCTT TCTTCCACAT
 193621 TTACATTAAC CTACATAAGA GACACATTAT CAAGTATATT TTACATGGCT TCTCAGTGT
 193681 TTCTCTGTCT GCTAACAGGT TTACCAAGAG ATGGCACTCT TGTATTCTG GTGGCTATGT
 193741 CCATATCGTT TTGCTTTAA GACAGCGTAA CTACTCTTT CACCAAGTATT AAAGACATGT
 193801 ACATTTGATC TGGTTCTGT GGATGATTTT AAATGACTCA AGCTAATAAT CCTAATTAA
 193861 CCTAAACACT CCATTATTT AAAATGTATT CCTTATGCC CACAATAAAC ATTATTGAC
 193921 ATTAGGCTGG ACATTAGGCT TCTCTATGGC AGACATTAGG CTGGACCTA GCCATATATC
 193981 TATTGAGGAA AAAAATTA TTTTCTATAT AAGTTCCAG AAAGCCAAGA TGTGTTTTAA
 194041 AAACAAACAA AAACATTACA TTCTAAATGC TGTAACAAGA TAAGAAAAAG TGGTGGAGGCT
 194101 GAGAGAAGAA CAAAGCAGCA AGCAACTCCT GGAAGGACCA CTGCTGCAGA GGTAAATAACT
 194161 GGTGAACCAT GTTTGGAGA AGGAAAGGT CACCAAGAGA AGGAGGGGGT CCAGGGTGT
 194221 CAGAAAGATT GCATGCATAA AGATCAAGGG TAATAAAAAA AATTCCGTAT TATGTAAATG

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194281 TGAAGTTCCA GGACCATGAG CTTGGAGAGC ATGAAGTACA GGAGGGGGT TGGTTCTAAA
 194341 TAAATCTGGG AATGAAACAG TGAAGCCTCT GGCAGAACTC ACATCTCTT CCTCCCCCTCT
 194401 TCCTTGACCA TTCCCTTTAT GGAGTAATTG CAGGGATGGG AAAAGTCAA AACCAACACT
 194461 GAGCCTAGGA AGTGTAGGG TAAAGTGGAG AATGAACCTG CGTGATTGC TCATCTAAA
 194521 CTAGGTTCTT CTAGGAGAGC CCTTCCCCAT AAAATCTGCC CTCCTCGAAG GGGCCCAGAC
 194581 AGCCTAACGCT CACCTCCCAA AGACCCCTTA CTTGCTGACT GAATCTGATT CCACCCAGAC
 194641 ATGGCCTAAA ACCCTTCCAT AACTCTATAG CCAAATTCAA TTTTAGACAG GCCTCATACC
 194701 AACCTTTCTT CCTCTAACGTC TGCCACCCCTA GGCAATTCTC AACATTCTCT ACACACTTTG
 194761 GGGCCATAGA CGTGCTACCA AGTCTCCAGA CCTAGACCTG ATGGAGCAGT GCTGTAATGA
 194821 GACGACCACT GGCCTTGAA CCAGACCCCTT CTCTGTGGCT CCTATGCATC TCCAACCTGT
 194881 TTTGAGCACT GCTGCCAAGA CATCTTGGC ACTTTGTTGT GAAGTTTAA AACTGAACTA
 194941 ATCTACAAAA CACCTAACCT TTAAAAATTG ATTGTCAATT CATATCATGA AAGATAAAGA
 195001 AAGGCCAGGA AACTGTTCCA GTTAAATAGA GACTAAAGAG ATAGCAACCA AATGCAATT
 195061 GTGATCCCTGG ATTGAGGGGA AAAAGTGTG TCAGAGACAT GATTGGGACA GCTGGTAAAA
 195121 TTTGAATTG AATTAAAGA TAAAGTATTG AGTAATATAG GAAGATGATT ATCTGCAACT
 195181 TTCAAAATGTT TCAGTAAGTA TATATATATA TAAAGAGATA TAAAGACATA TAAATAAATA
 195241 GATGGATAGG TAGAGAAAAA GCAAATGTAT AATATTAACA ATCTAGGTAA AAAGTATATG
 195301 AGTGTCTTT GTACTGTTT TCTGATTCTT CTATATGTT GAAATCATTT TAAAATAAGA
 195361 AGGTTTTGG GTTTTTTTG TTTGTTTTT GTTTTAGAG ACAGCATCTT ATTCTGTCAC
 195421 CCAGGCTGTA GCTCAGTGGC CCAATCATTG CTCACTGCAG CCTCAACTTC CTGGGCTCCA
 195481 GTAATTCCCC CTACCTCAGG CTCATGAGTA GCTGGTACTT CAGGTGTGCA CCACTGCAC
 195541 CAGCTAAATT TTATTTTTA AATTTTGTA GAGATGGCAT GTTGCTATGT CACCCAGGCT
 195601 AGTCTAAAC TCCTGCCCCC AAGTGATCCT CCCACTTGG CCTCCCAAAG TGCTAGAATT
 195661 ATAGGCATGA GCCACTGCAC CCAGCCCCAA ATAAAAAAAGT ATTTTATTCTT AATTAACTAA
 195721 TTAAATTGTA GTCAAGATTT CACCCCTGTC ACCCAGGCTG GAGTGCATG GCATGATGTT
 195781 GGCTCACTGC AAACTCTGCC TCCTGTGTTT AAGCGATTCT CTTGCCTCAG ACTCCTGAGT
 195841 AGCTGAGATT ACAGGTGCCT GCCACCATGC CCAGCTAATT TTTATATTCTT TAGTAGAGAC
 195901 GGGGTTTCAG CATGTTGGTC AAGCTTGCT CAAACTCCTG ACCTCAGGTG ATCCACCCAC
 195961 CTCGGCTCTC GAAAGTGTG ATGAGCCACC ACACCCGGTC TAAAAGTAT TTAAACACCA
 196021 CAGTCCCCTC CTACCTTGTC CTACACTACC AGGGGCTAGG ATCACCCAT GTCTCTAGG
 196081 CTATGAGATA GAGGAATCCA AGGAAGAAGA TAAGCTACTT GGTTCCCTTA TAGGGTCTTG
 196141 TGTGTGCTCT CATGTGCTCT CTCTCTCTCT CACACACACA CACACACACA
 196201 CACACACACA CACACACATG AATACCAGAG CTATCACTT CCCAGTCTAG TACTCATCTC
 196261 ATCCCAAGGG TTTGTGTTG TAGTGGTTG CTCATTGTT TGTGTTGTT GTTGCTTGG
 196321 ATTATTCTTT TTCTCTTTT GCAGCTGAAG GGAGAATTTC CAGGCCAGCC CTTTGGCCAT
 196381 TAGAGTTACA GTGCCCTCAT TCAGGCTTCA TAGAGAGACC TGGGATTCTAG TAGTGGGGGG
 196441 CTTTTATCCA GTTCAAAATA ATGCATTCTC ACCAAGATGT ACTTTGAAAT AAAACAATAC
 196501 TAAAACACAA AATTTTATTG ATGCTGAACA TTGAATCACT TTTTTCTGTA TTTTGTGTTAG
 196561 AAAGTTATAC ACACACAAAC ACATTTGCTC CTGCTTTGTT TATTGGCCCA GGGGTATGTT
 196621 TGGTAATACT TCATCAGGCA TGAGTAGTAC GTCTTGGAAAG GTGTGGTCTA AAGCCTAGAC
 196681 TCCTATCTGC TTCCCTCAGC ATTCTCCAGT GTATCTGTCA TCTGCTTACCT TTAGGATGGG
 196741 GTCTCCAGAA CTTCCATTCA CATTAGAAG AGGGCAGCGG CTTTCTATGG AAAATATGAA
 196801 CTCTCATTCA TCTCTATTCC TTCTTCTAGC TATGGTCCAG CTCAGCTGTT TGGAATAAAG
 196861 TATCTATATG AAGTCTGCAG ATGGTTCTCA GACTGGTTGA ACATTAGAAT CACCTGAGTA
 196921 CCTTCTAAAA TTCTTATTAC CCAGGGCATA TCTCAGAATG AGTACCCACAG GGTAGGGATA
 196981 GGATTAGGGA TCATGATCTC TGGAGTCTGG TTTAGGCACT AGTGCTGTT AAAACTACGT
 197041 TCATGAGGTG GAGTTGCAG TGAGCCAGA TGGGCCACT GCACTCCAAC CTGGCGAC
 197101 GAGTGAGAGT CTGCTCAAC AACACAAAAC AAAAAAAACC AACTACCCCT GTGATTGAA
 197161 TGTCCATCCA AAATTGAGAA CCATTAGGTA AGGCCAAGCT GTATAATTAA AGAGCAGTT
 197221 TCATTTGTCT GGTGTGGTGG CAGCTTTTG ATAAGGGAAG TATTGTTGCC ATCCACATAC
 197281 CTGAGCCTCA CTCCTGAGAA CACTGGTGTG TATGTTGCTA AAATTCCCCA GGTGATTCTG
 197341 AGGTTCCCTC CTGGATAAAA ACCACTGACC CTGGGAATGT ACCCACTGCC AATCTCCTGC
 197401 GTAAACCTTG GATACTGGGA AGCCTACAGT TGAAAATATT GGGCTTGAGA TCCTGAAACA
 197461 AATCTTGTAT TTCATTAAGA CTAATATTG GTACAGTGCA GCAAATCAAG GGAATTGG

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197521 TGGCTGAGTT CTTTTAGAAC TTTTGCAATT AAATAGGTTT AAGCAGCAAT AAGTTAAAAC
 197581 TACAACCTCA GCTAAAGGAT TAAAAGACAC GTGAGCTGGG TAGGATGAGG TCTAAGATTG
 197641 GGTGTGGCGG CTCATACCTG TAATCCCAGC ACTTTGGGAG ACTGAGGTGG GTGGATCACT
 197701 TGAGGTCAGG AGTTCAAAAC CAGCCTGCC AACATGGTGA AAACCCATCT CTACTAAGAA
 197761 TACAAAAAAA TTAGCTGGGC GAGGTGCCAG GCACCTGTAA TCCCAGCTAC TGGGGAGGCT
 197821 GAGGGAGGAC AATCACTTGA ACTCAGGAGG CAGAGGTTGT AGTGAGCTGA GATCGCACCA
 197881 CTGCACTCCA GCCTGGGTGA CAGAGCAAGA CTCCATTAA AAAATAATA ATAATAATAA
 197941 CAATAATAAT AATTCAAGACA TATCCAGGCA TCAAACAGAT ACCTGGGCA GATGAATAGT
 198001 CTTGAGATTG AAGTCACACA TGAAATTAG GTGGAAAATG ACATTGGAGA AATTTGAGAT
 198061 TATGATGAAT GGAAATTGTT CAAAGAGGAA TTTCAGGCTC TGTTCAGGAG GGGATAGATG
 198121 GACTTCCAAC AGCAATAACA CAGGATTAAT GAGGACTTGG GATGTTACAT AAATTAGAGA
 198181 TGTTAGATGG ATAAAGAGAT AAAAGTACTC TCTCTAAGAA CATGGGACCA GAGATAGGCT
 198241 CACTTCTAAC CATCAGATAT AACTAGCAGA CTAAACGGTC TAAAATAAA AATCATGCC
 198301 CACTCCTGCT TAAGACATT TAAATTACTCT CAGTAACCT TCAGTTTTTC TACTGTGTTA
 198361 TCTTTAACTA CAGGGTTGGT CTGGGTGTGC AACACAAGAA AGCCTGGCAT ATACATGGAT
 198421 TCAAGTGTAT GCCATGTACA GGTATTCTT CATGTACTAT TTCATGTATT CTTTTTCACA
 198481 TCTGTTTTT CCTTCATTGA AGTCAATGGC TGATATTAGA TTCTACTATT CATGTGTACT
 198541 AGTTATATAT AATTGTTACA AAACAAATTAA GCAAAACTT AGTGGCTTAA AGCAACACAC
 198601 ATTTATTATT ACCTAAGGTC TGTGGATAGA AGTCTGACA TGGCTTAAC GGGTCCCTG
 198661 CTTCAAGCCT CATGTGGCTG CAATCCAGGT GTGGCTGAG TCTGAATTCT CATCAGAGGC
 198721 TTGATTGTGG AAATTCCAC TTCCAAGCTC CCTCAGGTTT GTGAAAAT TCAGTTCTT
 198781 GCACCGGTAG AAGCTTCTTG GTAGAGGCTG ATTCAACCTC TAGAGGCTGT CTGCAGTTCC
 198841 TGTCACCCCAG GGTGGAGTGC AGTGGAGCAA TCATAGCTCA CTGCAGCCTT GACCTCCAG
 198901 AATCAATCTG TTCTCCCACC TCAGCATT CCT GAGTAGCTGG GACCACAAGT GTGTGCCATC
 198961 ACACCTGCT AAAAACAAA CAAACAAAAA AAAACCCCCA GAGAACCTTG TAGAGACAAG
 199021 CTGGCTGGT AACTCTGCGC TCAAGCAATT CTCCCTGCCTT AGCCTAAAAG TTCTGGGATT
 199081 ATAGGTATAA GCCACCATACTGGCATATG GCAAGTCTTG AGCAGGACAA ATACAGATGA
 199141 TTATGTCG TCTTCATGG TATTCTAGGT TATTGTTGAG ATGGTCCTCT ATTGTCTTGT
 199201 TCCATCTATT GATTAGATAA AACGTTGTT CTTCTGTTAT TTTTCAACAG TAGCTTTTAT
 199261 GTGTCTCTCT TTATCTTAA ATTCTAACCA AAGAGCTGCT CTTTCTTGG TGTACTTTAC
 199321 CTTTGGTTGA TCCTCTTAA CCTCTTCTTG CCCTCTGGGG CCTAAGATGA GGGCTGTTAT
 199381 CAGATGTGAG TCTATGGAA AGCAAGCAAG AGGTTCTTCA GCCTCCGTT AGCCTTAAAT
 199441 GTCTAGGTAG AAATCAGTCA TGGCCCTTCA AATGTTGTCAG ACCAGAGTC ACAGAGACAG
 199501 GGGTCTCAGC CAAGGTCTTG TGGCCTAACG CTTATAGAAA TAATGAGTGT TTACTTACTT
 199561 GGAGAACCTCC CTTGGAATAT CTTTTTTGT GAACTGAGG CAACTTTGG TGATTCTTG
 199621 ATGTCTGGG AATCTTGGTC TAGAGCCATT TCAACCTGAT TTCTTTCAT GTCAGTGGCA
 199681 TTTTGTGACC AGATAGTAA TAAGTTCTAT GATGTTCACT CAGAGAAATA CAATGACTTA
 199741 TGATGTGAAG CTTCTGTGGT TCAGCCCTTA CTTCTCATCTTC ATTCCCTCTT ATCTGCATCT
 199801 GTCTCTGCT TGGGAACAAA AGTCTGGCTT CATTCTATGA CCCCCACGTT GAGTTCTTA
 199861 GTAGCACTTA CTTTCAATT AGGAGTGTCC TCACCTCTAT CCATCAGACA TAACTAGCCG
 199921 ACTAAACAGT CTAATATATAA AAATCATGTC CTACTCCTGC TGAAACATT TTAATTACTC
 199981 CCCATCATTT AATTCTTCT ACTGGGTTAT CTTAACCTTC AGAGTTGGTC TTGTGTGCAA
 200041 CACAAGAAAA CCTGGCATAT ACATGGATT AAGTGTATGC CACGTGCATG TATTCTTCA
 200101 TGTACTATT CATGTATTCT TTTTCACATC TGTCTTCTTCC TCTAAAATTT ATTCTCTTTT
 200161 AAAAATGAAA ATTTTGCAATT TGACTAAATT TGTCAAATT AGTCAAATT GTTAAAACC
 200221 ATTTTAAAAA TGTTTCCCGA AGTTTGAGT GAAAGTTAGTA CTTCAGAAAA ACTGTTTTGT
 200281 ATTTTCTATG TGACCTCAGT GCACTGCTGT GCATTTCCAT TTCTGCGTCC ACACACATT
 200341 GTTTGAGGA AATATAGGAA CGACAAGATA AAGTTCAAGC TCCTGGACAT TGCAAAAAG
 200401 ACCGTCATGA CCTGGCCTG TTGACTTCCC TAGATTCCC GCTATTCCCT AAGTTGAGAT
 200461 TTTTGGTTTG GATGCTTTGT GTTTCTTAA AATCAAATA GGTGTTGAG TTTTATGATT
 200521 ATACAGTAAA TAAATGCTAT TTGTGTGAAA CTTAAACAA TACAAAAAAA ACCTAAGGAA
 200581 GAAAAGTCAGA TTCATCTAAA AATCCTTGTG GCCAGAATTAA ACTACCTTAG TTATTATTTT
 200641 CTCTATCTCT CTCTCTCAAT GTATATTGAG TGTAGGTATA GGGGTGTGTG TAGTGTGTGT
 200701 GTATGTATAT ATCTGTTCT ATTCCCTGTAT GTGGATGTGC ACAACGCATC CTGCTTTGTA

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200761 CACTACAGTA CTAGCATTCT TCTAATGTAA TTCAATATTG TTGAAAACAT TTAAAAAAAG
 200821 CTTGTATATA TACACACACA TACACATACA TGCATGTATG TACATATACA CATACAGACA
 200881 AAAATGTATC CTATGTATAT TCACACATGT ATACACACTC ACACGTACAT AGAGTTTAC
 200941 ATCCATAGTT TATAAATGTT GCTTTTTTT GGTCACCTT TTGCTAAGTC TTACACTTT
 201001 TTTTTTTTT TTGAGACGGA GTTTTGTGT CATTGCCAG GCTTAGTGCA GTAGCGCGAT
 201061 CTCACCTCAC TGCAACCTCG ACCTCCCCGGG TTCAAGCGGT TCTCCTGCCT TAGCCTCTG
 201121 AGTAGCTGGT ACTACAGGTG TGCGCCACCA TGCCCTGGCTA ATTTTGTAG TTTTTTATA
 201181 GAGACGAGGT TTCACCATGT TGGCCAAGCT GGTCTGGAAC TCCTGACCTC AAGTGATCTG
 201241 CCTGCCTCAG ATTCCCAAAG TGCTGGGATT ACAGATGTGA GCCACTGCAC CCGGCCAAGT
 201301 CTTACACATC TTTTTTTTAC CACTAAACTG TTTACCCAAA CCTGATAACC CAAGTCAACA
 201361 GCTATTATGG CTCACACAAT CTTATGTAAA CAAAGATACA GATATATAGA ATTTCTTGA
 201421 TTAATATTCA GAAAAAAATG GAGTCCCCTT ATACGTCTT AGTATCTGCT TTACTCATT
 201481 AAAAATGTAT TACATTATAT GAAAGTATTG AGGTCAAATG TTATAGATGT GATTCTTCT
 201541 TTTTAACGTG GTTATTTTC TGCAATGACT ATGTATCACA AAGTACTCAG TCTTCCACTG
 201601 ATGAAAATTG GGGCTATTTC CAGTTTGTCT TCCATTTTC TTTCTCCTC TTGGATTTTC
 201661 ACTCAATGTG TTTACTAATT TAGGAAGAAT CAATAGTTT TATGGTATTA CTCTCCCAT
 201721 TCAAGAATAT AGCATATGGT ATAGTATAGT AGAGTACTTA GTTTAATTTA GCCAGATCCT
 201781 GTTTCTGCC CTTTAATAA ATTCTATCAT TTTCTGCCTT TGAGTCACAT TTCTTGTGTT
 201841 CATATAATTG TTAAAAAAATG TATAGTTTC ATTCTAAGGG AACATAAAAA CTTCTTCCA
 201901 TTTCTATTCC TGTCTAGTT ATTCTACTAT TGGGAAAAGT AACTGTAAA AAAAATTCTT
 201961 ATCTTCCAG TCAGTTCAC ACATTTCTT TATACTTTG TACTTTAATC CCCAGTCATG
 202021 TTGAAACACTT CTTATTCCCTC ACACCAAGCC TCAACGGGTT TGCTCTTCT GGAAGGTGCT
 202081 TCCCCTGTAT TACTGACTTA TTCATACCAC ACATGGAGAC TGGCGCAGCC CTGTTCTGCC
 202141 TGGGAAGCCT TCCCCTGATA CCCCTAGTTG GCAGGAGTCT TCATTGTTTCTC TTCTCTAGTC
 202201 ACCTGTGCAA GTTGTATTG TTCATGTTA TCATCCTTCA TTCTAGTTG CTGCTCTAT
 202261 GTGTGGTCTC ATTCACTGGT CTCTGAACTC TTATGAAGTC ATGTATGGG TCAGATCTTA
 202321 ATAAATTAAAT ATTGTGGAA GCTAATGTCA TGTCTAGAAT ACAGAAAATT TATCAAAAAA
 202381 AAATATAGTA TGTTGGCTGG GCGCAGTGGTCAAGCCCGT AATCCCAGCA CTTGGGAGG
 202441 CCGAGGCAGG AGGATCACAT GAGGTCAAGAA ATTCAAGACC AGCCTGCCA AAATGGTGA
 202501 ACCTCATCTC TACTAAAAAT ACAAAAAGTA GCCAGGCGTG GTGGTGCCA CCTGTAATCC
 202561 CAGCTACTCA GGAGGCTGAA GCGGGAGGAT CACTGAACC TGGGAGGCAG AGATTGCAAT
 202621 GAGCTGAGAT CATGCCACTG CACTCCAGCC TGGGCGACAG TGAGACTCCA ACTCAAAATA
 202681 ATAGTAATAA TAATAATAA ATTGTATGG ATTGAACGTG CTCTGATTGG AAATAGCTGT
 202741 TTTTTAAAAA ATTATTATTT TTAAAGTTCC TGGGTACATG TACAGGATGT GCAGGTTTGT
 202801 TACATAGGTA AACGTGTGCC ATGGTGTATT GCTGCACCTA TCAACCCATC ACCTAGGTAT
 202861 TAAGTACAGC ATGCATTAGC TCTTTACCT AATGTTCTCC CACACCCCA CCCCACCTC
 202921 CCCAACACAGG CCCAGTGA TGTTGTTCCC CTCCCTGTGT CCACGTGTTCA TCATTGTTCA
 202981 GCTCCCACTC ATAAGTGAGA ACATGAGGTG TTTGGTTTTC TGTTCTGCC TTGCTGTTA
 203041 ATGTCAGGCC AGAGAGGCTT AAATTTTAA GGATCTCTGG ACTTTCTTC TACATTACTC
 203101 TTGATGTTA TAAATGTTAC AACTTCTTAA ATTCAATTAA ATGTATACCT TATTGAGTTG
 203161 ATTTAACTGA GTTAACCTTG TTATATGAAA ATCATGATTG GGAGTGAGGG GTTAAACCA
 203221 GCTACAGAGA TCTTGATTGT TGGTGGTGA GCAATGCAAG AATTCAATTCA TTCAAGTAAAC
 203281 TAATGTTAT TAAGCGTGTAA CTGTCTTAGT CTGTTCAGAC TGCTGTAACA AAATATCATA
 203341 AACTGGGTGA CTTATAAACAA ACAAAAATT TATTCTTAC AGTTCTGGAG GTGGGAAGTC
 203401 TAAGATTAAG GCCCTGGCAA ATTTAGTGTC TGGTGGAGGAC AGGTAGCCAT CTTTTGCTG
 203461 AGTCCTAACAA TGGCAGAAGG GTTGAATAAA CTTCTTGGG TTTCTTTAT AAGGACACTA
 203521 ATCCTAGTGA TGAGGTTCT GCCCTCATGG TATAACTACT GCCCAAAGAC CCCTCCTTCT
 203581 AATATTATCA CTTTGTGGGT TAGGATTCA ACATGAGTT TGAGAGGATA CAGACATTG
 203641 GATCATAGCA CACACCATAG GACAGACACT GTGCCAAGAA TTGTGGATAT AGTGATTCTC
 203701 AAAATGAACA AGATCCCTC AGAGAGCTTG CAAAATCCAG CTATAAAATT ATGCTTTTA
 203761 AACAAATTAT GCAGTTGAA AAATCTACTC TGAATCTTAC TTGTGGCATT GAATACTTTC
 203821 GGCCACTCTT TCCTTATTAT ATTAAATATT TACTCTTGTGTT TGGGGGATCC AGTCTCACCT
 203881 ACTTTTCTA CCAGAACTGG TATCAGCTCA TGCTCTGCCT TATGCAAATT AAGAAAATAT
 203941 CATACTTTT GGGTAAATTAGCAGAAAGAAA GTTCTCCTT CTTCTCTTCTC TCTCTTCTT

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204001 TCTTTCTCTC TTTCTTTTC TTTCTTTCTC TCTCTTTCTT TCTTTCTTTC TTTCTTTCTT
 204061 TCTTTCTTTC TTTCTTTCTT TCTTTCTTTC TTTCTTTCTT TCTTTCTTTC
 204121 TTTTCCTTTC TGACAGGGTC TTGCTCTATT GCCTAGGCTG GAGTCAGTG GTGCAATCTC
 204181 AGCTCACTGC AGCCTTGAAC TCCAGGGCTC AAGCAATCCT CCTGAGTAGC TGGGACTATA
 204241 GGCATGTGCC ACAACATCAA GCTAATTTC GCATTTTTT GTGGAGACGG GATCTCCCTA
 204301 TGTTGCTAA GCTGGTCTTG GATTCCCTGG CTTATGCGAT TCTCCTGCCT CAGCCTCCCA
 204361 AAGTCCTGGG ATTACAGGCA TGAGCCACTG CCCCTGGCCA TTATAACTAT TTTCATTGGC
 204421 TTATCAGGCA CATGATAACT ATAATAAAC TATAACCAGA ATTTTAAAT AAAGAAAGGA
 204481 AGGAATTGTT TCAACTCTTC CTGCTACCCC TCTATCCCTC AAAAGGGTAG GCTGAATGTT
 204541 GTCCTCCAAA GATATCCATG TCCTAATCCC CAGAACCTGT AAATATATTA CCTTATATGA
 204601 CAAAAGGGAC TTTACATGTT TAATAAGTTA AGAATTGAGA GATGGGCAGA TTTTCTGAA
 204661 TTTTGCAGAT GGGCCCTAGT GTAATCACAA GGGCCTTAT AAGAGACAGG CAGAAGAGTC
 204721 AGAATAAGAG AAAAATACTT CAAGATGTTA CACTGCTGGC TTTAAGGTGG AGGAAAGGCC
 204781 AAGAGCCAAA AAATGCAGTG GTCACTACAA GCTGAAAAGA AAAAGAAATG GATTTTCCCC
 204841 TAAAGCCTCT GGAGGGGGCA CAACCTTGCC AATACTTGA TTTTGGCTCA GTGAAACCCA
 204901 TTTTGGACTT CTGACCTTTA GAACTGTAAA TAAATAAAATA ATTTTGTGTT GTTTCAAGCC
 204961 ATCACAGTTG TGGAATTAA CTACAACAGC AATAAAATAG AATTAAATAC AGAGATCTGA
 205021 GGAGTTGAGT AGGATAAGCC TACTCCAGCA GGTTATTTCG GGAGTATGGT GAGACTCACT
 205081 AGGATGGCGG AACTCAATTAA AGGAAGTCTG AAGCTGATAA GCCAGAGAGG GAAGGCTCTC
 205141 ACTTCATTTT ATAAGGGTTG CGTCACACTA GGAAGATCCA ATAGCAACCA CAGTCTCAAA
 205201 ATTAATGATT ACAAAATAGGA CACAATTCCA AGAGTCGGGA GCCAAGCAGA AAATGGATTA
 205261 GGGAAAGACAT GGATGATATG AAACAGGAAG GAGGGGTACA AGGCAGCTTC CTGGGAAGTT
 205321 GCCAGGGCAG TCACAGTTCA CATTTCATTAG GCTGTGGGCA CCAAATGCAT ATGGAAAATC
 205381 TAGCTGACTT AACTGAACTC CTGAAGAGGA ATGAACACCT CATTATTGA GGAGCTACTA
 205441 CCAATTAGAA TATGTATTTC ATTTGTTCAA TAACCCCCATG AGTACAGTAA CACAATCCTT
 205501 GCTTTACTAA AGCGGAAGCC AATTCAAAGA GGTCAGTGA CTTGTCCAAG CTCAGGGAAA
 205561 AACTAGGAA GTGAATATGG GTCTGACTCC ATCACTGATT TCAGGAGCCC TGCCCTTTCC
 205621 TCCACACCAT GCCCCCTTGC TTTCAGAAAA AAAGGCTTGT TGACTGAATG GTGTATGCA
 205681 CAGTTCAAAG CAGAAACACA CGATGACATC TTTGAGATA CTCTAACAGT GAGAACATTGA
 205741 AAATGAAGTT AAAAATTAAG CGGCAAAACC AAGCCGAGGC TTTCTGAGAA AGTGGGGCCA
 205801 AACCTGTTGC CGTCTGACTG CCACGTGGCT CACTATTAT CCCTGTAAAAT ATCTGCAAAA
 205861 GTATTGAAA GGGAGAAGG GACAGAAAAC TCCCTCCCTT TCCAAGTTAG CCTTATAGTC
 205921 TAGGGCTTAA AATACTGGTT TAATGGTGA GGTAAGTGCT TTTCTTCTTT TTGGGTAGAA
 205981 GGATTATTAC TAACTTACCA AAGGTCCATT AAGGGGAGGG AACAGTTTA GGAGAAGTCA
 206041 GAGAAAAGAC ATTAACAGCA ACATAAGGAT CTCCATCTGG TAATATTGCC TAATTCCAAA
 206101 ATGAAGAGAC TCTCTGAAAA AGATAACTGA TTCAATGAAG ACCCTAGGGC AAGGCTTGAG
 206161 AAGCCACTGG TACCAATGG AACTGTGGAC AATGGTCATT TCTCCAAGGA CGCTGTGAGT
 206221 ATTAACTGTG ATGCTGTGAT TAGTCAGACT GGGATTGGCT GTGGAATGAA ATACTGATCA
 206281 GAACTGACAA GATTGTTGTT TGGGACTGTG GCTAACGAGT CTTTCAGAC TTCTATATGA
 206341 ATTTGAAATG GTCTCTCAGG AAAAGGAGAA CATGGCCGGG CCTGGTGGCT CACGCCGTGA
 206401 ATCCCAGCAC TTTGGCAGGC TGAGGCAGGC AGATCACTTG AGGTAGGAG TTTGAGACCA
 206461 GCCTGGCCAA CATGGTGAAA CCCTGCTCTC ACTAAAAATA CAAAATAG CAGGGCGTAG
 206521 CGGCGCGTGC ACCTATGCGC ATGCATAGTG CGCGTGGCAG CTATTCAAGA GGCTGAGGCC
 206581 GGAGAATTGC TTGAACCCAG GATGTAGAGG TTGCACTAGT TGAGATCATA CCACTGCACT
 206641 CCAGCCTAGG TGACAGAGTA AGACTCTGTC TCAAAAAAAT AATAATAATA AAAGAAAAGG
 206701 AGAACATGAC CAAAGTTATG AATAAGACTG AAGGCAAGAA AATTGTACGC TTGTAGAGAT
 206761 CACCTAGCTT GTTGCCCTCA TTGTACAGCT AAGAAAAGGC ACCCAGGGAC ATTGTGGTCA
 206821 GCACCAATT TCTCAGAAAGA TAGGCAGATG ATGAGAGGGC CCTCAGTTT TCTAACACTG
 206881 AAGGAATTGC TTCTATGTT TCTGGTGAAC TCCTCCCCAC TCATCTGAG GATTCCAGGC
 206941 CAGAAGAAC TCACTTTAAA AAGAAACATT TAAACCAAT TAAACAACCA ATCAAAGGCC
 207001 CTTTTATAGA AATACATTTC ATTTGCTGTT GGCCTGTATT TATGGATCTG AGAGGGCTAG
 207061 ACTGCCAATA TTGTGACTGT TTATTATTAT TGCTGTTGCT AGTATCTAGA ATATTATACA
 207121 ACATATAACA CTTTGCAATT TACGAGGCAT GTCTCATACT TTTGTTTCA CTCCAAACTG
 207181 CCCAGTGAAG TAACATTATC CCAATTCTTC CTATGAAACA GTGAAAGCCC TAAGAGTTT

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207241 TGAAACTTTA CCTGGTTTAC TCAATTGGG AATGGCAGAG CAGAATTCAAG TCCTTGAATA
 207301 TCCTCCCACT GCAGGTTCAT GCTCTTGAT CTAGGTGTA CATTACTCT GAGTAAACTA
 207361 GGACTCTGGG CTAACAGAGA TGAAGCAAGA CAGGCTGGAT ATTAGGAGAA TCTAAGAGCA
 207421 ATCTAACGAC CATTATAATA AAATCATGAG TTCTAGACTT AAAAAAAGGG AAAAACCTGT
 207481 TTTTTGCTT ATGCGTATAC CATAATATT ACATTATTTA TTTTTTCTC AAATTCAACC
 207541 TATACGGGT CAAGTAATT TTTTAATAT AACATTTCC TTTAACCTAA TTCATTCA
 207601 TTTTCGTG TCTACTTACA ACTTTGGCAC TAGAATTCAAC AATTTTTTT TAGAGGTATA
 207661 TCTCCTTAAA GGGAAAGGGTT CTGACACTGT TACATGTTCT CAATTGTTG CAAATAGGTT
 207721 AATAATTATT CCAGTGTCTC TAAGTACATA TCAACCATGC CAGTGTTCAG CCTCCATAAT
 207781 TTTATTAGCT TCTGTGCTTA TTTTGGAAA ACATTTCCA TTACCATGAA AGACCTCAGT
 207841 TTAGGATGGT TTGGTATGTT AGCCTGATTT CTGCATTCTGT CTCATGCAGA GGAAAATAGG
 207901 AAACGAAGAA CTGAAATTAC CTATTGATAC AAAATCAAAG TAGCATTGA ACCATAAAA
 207961 CTTAAGTAGG GCTTTCATC CTTCTCGTT AGACAGCAAC AGAGAATGGG AAGAAAAACT
 208021 AAAGTGATGG GTTGTGATA CAATTCCAGT AACATAAAGA GCAAGGAGAA GTAGTTTGT
 208081 TGTGTTATG TTTAATATT AAAGCTCAAC CTAAAAGTAT TTTTCATTAT CAAACTTCCT
 208141 TCTAGAATAA ATGATTAAAA CTTGATTAA AATATACAAA TTCTCCTTTA TAATACCTCA
 208201 AAATGGAGCT ACCCCATTGA GTTTTAAGCT TGTGATTAAA ATATTACGAA AACAAAGGGG
 208261 AAGTTGTAAT AGGTAGAACAGC AGCAGTAGTC TAGGCATTAG GGGATCTGGT GCTGGCTCTG
 208321 TGCATCATGT GGTTTCAGGC AACTTTCAA ATTTTCTACG CAAATTCTCT TATCAATAAA
 208381 ATAAACAGTT GGGCCAGAGG ATCTCTGAGT CTCTTCAGC TTTCAGTGT TATAAGATTG
 208441 GAGAAGTGG TGGGAAAGCT TTAAGTGGAG TGTAGTAAT TGCAGCTGCA TGTACAGTTA
 208501 AAGAGTTGCC TTCAGCCAAG CCACGGGATC TTGCATAAAA AGTGAATCA AATAGAAAAT
 208561 GGTCCAAACT CTGGGTTTGA CCACAGATGA CTTCAGCTAG GATCTGAGTG TAGAGCAATG
 208621 AGCTGAACCTC CTGATATCCA GATGTTAGCA AGACTTGGAG GCCTTCTAAG GCAGAGCAAC
 208681 AACCAAGTATC TGTCCTGGTG CTGACCTGAT CTTACTAGCA ATTGGGCCTC CATTGGGTC
 208741 CATTGTACAA ACAACAACA ACAACAACAA TAAAATCTCC AAACACCCAA AATTCAAAAT
 208801 TTAGATGGAG AGATACTATT CCCAGAATTC TAGAGATATT TGGAAAGCAG AAAACTATAC
 208861 TTGCCATGCT GATGAAGTCC AATTATTGCT CTTTAAATA CATTAGCTA CTTCTGAATA
 208921 TAAAATGAGT ATCTACTAAT TTTTACAAA ATCACTTGGT AAATATAGAA AGTCACAAAG
 208981 AATGAAGTGA TCATCCTGTT TTGTAACCCA GAAATAGTCA TTACTGGCAC TTGTGTGAAT
 209041 CAGTTCTAT TCCTGTATGT GGATGTGCAC AGCGTATCCT GCTTTGTACA CTAGAGTACT
 209101 AGCATTTTC TAATGTAAATT CAATATTGTC GAAAACATT TAAAATAGCT TCCATCACAA
 209161 TAATCTATCA ATTGACTTG CCAGACTCTC ATTATTAGGT TAATTATCT CTAACATTAT
 209221 GCAGTCATGA GTAATACTAC AAAGGATATT TTTGGACACA ATTTTCATC TATGCCCTTC
 209281 TTTATAATCC TTCATCCTAA GGTCACAGAT TATGAATATC TTTAAAGTAC GGACAAGTCT
 209341 TTTAAATTGT GTGTGCAAAA ACAGTGCAGA GCCTTGAATG ATAAAATAGA GGTTTGATAT
 209401 ATGTGTTTT TTGTTGTTT GTTTGTGAGAC GGATTCCCTGC TCTGCCCCC AAGCTGTAGT
 209461 GCAGTGGCAC GATCTTGGCT CACTGCAACC TTTGCCTCTT GGGTCAAGC AATTATCCTG
 209521 CCTCAGCCTC CTTAGTAGCA GGGTCTACAG GCATGTGCCA CCACACCCGG CTGTTTTGT
 209581 ATTTTTAGTA GAGATGGGGT TTCACCATGT TGGCCAGGAT GATCTGAAAC ACCTGACCTC
 209641 AAGTGTCCA CCCACCTCAG TATCCCAAAG TGCTGGATT ACAGGTGTGA GCCACTGCAC
 209701 CGGGCCGATA CATGTGTTT TAAAGTCACA GAAATTCAG ATGTCTGAA GGATTTAAG
 209761 CAATTAAAA AATAAAAGTC TAGAAGCTTC AATTAGGAA TGAATGAAA ATTGATGATA
 209821 TTCTTAGGAT ATGGATTTT CCTAAAAGAA ACAATGTAT GCATCCCCA AGATAATTG
 209881 ATTAGTATAC AAATATTAA TTAAACATGT CCATATTAG AGCCATGAAT TCTCTTGCC
 209941 TGTCACAATA GCTGGATTCA TTCACAATTG TAGTAATTAG TCCCTGTTCA TTATAATT
 210001 CTAGGTGATA TGAAGACTTT GTCAGTCCAA GCAAGTGTCC ACATTGTGTG TAGCAAACAT
 210061 GAGAATAAAC ATTAAACT TTTAAATGTA ATACATATTA GTGTTATGTA ATGTCATCCT
 210121 TCATGTTCGA AGGCACATGG AACATTGTT TGTTGGTACA GAGGGGAGAG AAACACCATC
 210181 AGAATGAAAG GAAAGACCGC TCTGGAACCT TCCCTCTTAG CTCTTGAGCT TAGTTAATT
 210241 GTCCGTGCTT ATGGTCTGCT ACAAGCAATA CCACCTCTCA CCTTCGATG CTTCTCTG
 210301 GTTTGATAAA GTACATGCAA TTTTCATT AATTCTTCCA GCTGCACTAA GAAAGGAGCC
 210361 TTATCTTAT TGAACAGATG AGGAAATGAA TGATTAGAGA ATTAAATGA CTAGCTCTAG
 210421 GTCACACACAGC TGGAACCTAC AGCCAGATT CTTTTAACAC ATCCTGAAAC CAAAAGCATA

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210481 CCAGTAGTGC CCCATAAAAT GTAAGTTATA GAGCTGTGT GGGTCAAAAC TTTTACTGAT
 210541 GCTAAGAGGA GGCAACATTA ACAAGGGAA ATTATTTGT TATTATGTT TGGATTATGT
 210601 TCTCTCCATA GATAAAAGAC TGTCTAGTA AAAGAGATTG AGGGCACAGG GAAACTCCAC
 210661 CACAAAGCGT GGTACCATT CCCACAGAAG CTAATGGAC GGGAAAGCCTG CCACCAGGAA
 210721 AGGTAAAGCC ACTGCTCTTG TTTGCAGGCT ATGTTAATAA GCTGAAGCTT ATTCCGACAC
 210781 ATTTACACAT CTCTGCATCA CACTGACCCCT TCGTAAAGAT ACTCCCAGTG TAACATTGGA
 210841 GCCAGCTCCA GCCCCTGATC CTGTTGCTT TTCCCTTAGCC CCATGAAATC ATCTGCGAGA
 210901 AATTAAGCCA AATAAGCAAT AAATCCTGGG ATCTAGGGAG TGGAAATAAGT TTTGGGAAAG
 210961 TCTTTTTTTT TTTTTTTTTG ACTGAGTCTT GCTCTGTCTC ACAGGCTGGA GTGCAGTGGT
 211021 GCGATCTCGG CTCACTGCAA CCTCTGCCCT CCGGGTTCAA GTGATTCTCC TGCCTCAGCC
 211081 TCCCCGAGTAG CTTGGACTAC AGGCACACAC CACCATGCC AGCTGAATT TTGTATTTTT
 211141 AGTAGAGATG GAGTTTCGCC GTGTTAGCCA GGATGGTCTC GATCTCCTGA CCTCGTGATC
 211201 CACCGGCCTC GGCCCTCCAA AGTGCTGGGA TTACAGGCAT GGGCCACAC GCCTGGCCCG
 211261 GGAAAGTCAT TTTAAACCAA CCTATGTATG AATCCCTACT ATAATATTCT CACCAAGCGG
 211321 CTGGCTCTT CTCCTGAGCT TGGAAACCTC CAGTAAATG GAAATAATTA TTTCCCAGAC
 211381 CACCACTCTT ATCTGTGAGC TTTTTGGCC ATAAAAAATT ATTTCTTCCA TTATATTTTT
 211441 ATCTGTGTCT TCACAGGTTT TCTCTTCTT TCACCTTACT GCTTTCTTC AAATAAGCAG
 211501 GAAAAATCCA ATCTATCATG CACATGGAA CCCTTCAAT ATTGGTCTGT GGTTGTTCCA
 211561 TTTTATGGGG ATGCTTTAA AGAAAAAATT TGCTCTTCA ATATATTGAA TATCTTCCAG
 211621 CACACATCA CCTGCAAGCT TTGTAAAAAT AGTTCTACAT ATTAATTTTT TTTTTTTTG
 211681 AGATTGAGTC TCATTCTGTC ACCCAGGCTG GAGTACAGTG ACATGATCTT GGCTCATTG
 211741 AACCTCTGCC TCCTGGGTTC AAGTGATTCT CCTGACTCAG CCTCCCCGAGT AGCTGGGATT
 211801 ACAGGCATGC ATCACCATGC CTGGGTAATT TTTGTATTT TAGTAGAGAT GGGGTTTCAC
 211861 CATGTTGACC AGGCTGGTCT CAAACTCTG ACCTCAAGTG ATCCACCTGC CTTAGCCTCC
 211921 CAAAATGCTG GGACTACAGG CGTGAGCCAC TGCACCCCCAC GTAGTTTTT TTTTTTTTA
 211981 AGTTGAACAT ATGTGAAGGC AGGACCTAGT GACACATAGC AATAACATT CCAAGTAGAC
 212041 ATTACACTAG GGAATTAGTC AAAGTGTCA TTTAAAGTAC CATCTCTCAA ATGTATTAAA
 212101 AGAGAACCTT TGGATGTGCA ATACCTTAAT TCAAAGGCAG CTCGTTATGT ATAAACTCTC
 212161 AAGCTTGTG ATAAACAAAT GTGCATAACA GATGGGACTA TTGACTTACA GCCCAGGGAA
 212221 TTTTATTGAC GCTGAGAAGG TTATGTGACT GGCTCTGCCA CTGTCATCCC CATTCACTTC
 212281 ATTTGGAGC AATATGACAT AAATGCCCTA CATGTGGGTT TTCTCTATTT ATCATGTGTT
 212341 TCCTATCCCC TTGAAAGATG GCCATATTG CTTTACTTGG TTATAAGATC CCATATTGCG
 212401 TGTCTTGAG CCAACCAAAT AATTGACAA AGTGGGTTG TAGTGTGGC TATTTGGTG
 212461 AAAAAAAGAC AATGAGACTT CATGTGTCACT CCAAAGTTCT ATCAGATCGA GCTGTGAGAG
 212521 AAAGGAAAAG AAAGGGTCT CAGTCAGGAT GCTCACTGCA TACATCTGTG TTGTTGTCTA
 212581 GGTCCAGATT TCTGTTCACT ACGCTATGGG CTGGCTCTTA TCATGCACTT CTCAAACCTC
 212641 ACCATGATAA CGCAGCGTGT GAGTCTGAGC ATTGCGATCA TCGCCATGGT GAACACCACT
 212701 CAGCAGCAAG GTCTATCTAA TGCCCTCCACT GAGGGGCTG TTGCAAGATGC CTTCAATAAC
 212761 TCCAGCATAT CCATCAAGGA ATTTGATACA AAGGTAAGTA TGATGGAAAA TAGGGCTCTT
 212821 TGTTGAGAGA AAAAACTTG AAAGGAAGGC ATAGATCTTG ATTCTGTGGA GTATGGAAGT
 212881 ATACATTTC AATGACAAAT TAAAACGTAC TGGAACATT TTTCTTGAG ACATTGCTTA
 212941 CTTCAATAAT AAAATAAGA TTTCATTGAG GTTATTATGA TTATAAGGTG GGGGAACGTG
 213001 AGAGTTAAAT GTGAAAATT TAAAATGGA ACAGTTATG TGATGTCTTC AATGAAAAAC
 213061 TAGGTATTAC CTGGGCACAT TCTTATAGGT TACTCAATCC TATTCACTTC TCTGCCTGTT
 213121 TTATTGTTTC TGAGCAATT TATATCCCTG TAAATTCTAT ATAACCAATA GAAATGCAA
 213181 CGATTCTGT CCATAGCTTT GCAAATAAAAT TTTGCCAAGA GAAAATCAG TAAAAACTTT
 213241 TCTCCACTCA CCTCCCTAGT GAATTAGCCA ATTTTGCTGT TTGTTGTTT GTTGTGTTT
 213301 TGAGATAGAG TCTTCCCTG TCATTCACTGC TGGAGTGCAG TGGCATGATC TCAGCTCACT
 213361 GCAGCCTCCG CCTCCCGGGT TCAAGAGATT TTCCCTGTCTC AGCCTCCCAA GTAGCTGGGA
 213421 GTAAGGGGGC ATGCCACCAGC GGCTGGCTAA TTTTGTTATT TTTAGTAGAG ACAGGGTTTC
 213481 ACTAGGCTGG TCTCGAACTC CTGACCTCAG GTGATCCACC CGCCTCGGCC TCCCAAAGTG
 213541 TTGGGATTAC AGGTGTGAGC CACTGTGCCA GGCTCTGCTG TATATTAAA GTCTATTTC
 213601 GCATTGCTTC CTGCTTGTGT TATGCGTGAT TCTTGAGTT TTCCTTGAA CCAGTTATAA
 213661 CATCTTACTT ACTTCCTCCA TTAATCAATG AGTTAAATAA AATCTTGTT GTATGTTTAT

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213721 TTTACATTTA TATGAAAACC ATGAATTAC CCAATTAAAA AAATTATCCT TTAAATTATC
 213781 TTGTACTGTA CATTCCCCT GTCATCCCTA TAATTCATGA TTAATGATT TATTACATTG
 213841 GACCTAGCTT ATTACAATG AGTACATAAA TTTATTGCT CCAGCTTTC CTCCATTATC
 213901 CCGTCTACAT ATCCACACTG AGTAGATTCA CTACTCAGGA ATCTGGACA CCTTCAAGTT
 213961 GCCAACATG CAGTGTTCAC TGGACATGCT GTGTTCTTC AGAATTGGG CCTGCTCTC
 214021 AGCACACTCA CATCTGCTAT CAATGACCCA TGAAAGTTT TTGCCCTGAG CAAGCCAGAG
 214081 TCCCTGTTAG TTTCTTCAA ATGCTACAAG TTCACTTTG CTATTTTC CGATGAGATA
 214141 AAATTTCCCT TTTGACTTT CTACAAATCA TAGTCATTTC TCAAGGGATA GTTCAAGTAT
 214201 TGCTTCCCTT CTGGGACCTT CCCAAATTAT TATTTCTCC TCTCAAAGTC TCTGTTTAT
 214261 TTATGTTCAT CCTCAAATCT TGATTCTCAC ATGAATCATA TACCTGTAT TATTTATAGT
 214321 TTTTGAGT AGGTAAAATA TTTCATATTT TATATTCTT GGCTCTCTAC TTTATAGCAT
 214381 GATGCCAGAT ATTTAGGGC CTTACTGCAT TTATTTTTA TTTTATTTA AAATCTATT
 214441 TATTTTTAT TTATTTATTT TAAAATCTAT TTATTTTAG GTAAATATTC AGGTAATATA
 214501 ATTTATGTA TTATTTAGGA ATTTAGGTA GTATTTTAA AATAATTCAA ATTATTTATT
 214561 GAGTTATATC AGAAGAATGT GATCTTATTC ATTTGTAATA TGTGTTTAG GAACTCAGTT
 214621 CAGCCAGGGC AGACCATAAT TCCCAAACCTT GACTTTCTT TTTAATTAGG CACTGATTT
 214681 GGTAAAGAGT TCAGTAAAGT TTTGTGTGT TGTTTAAAAA AATTCTTGA TATAAGAGTC
 214741 AAGATGTTAC TCAACTTTA CTAGAACAA AATAGAGGAA GTGCTTCAC AGATGAAATA
 214801 TCTCTCAATG TTTCTTCCA TTTACTCTT CCTATTATTC ATCTATATAA TCATTTCTT
 214861 TACCTCTTT CTTCATTTCT TCTGTTTTC TCTCCTACTA AGACAAGCAA ATTAGGGTA
 214921 TAATTGGTTA TTTGGGAAGG TAGGAAGAAT ACAGAGAGAA ACAAAATCA ATATTTATA
 214981 CTAGGGTCTC ACTAACCTCA AGCAACTCG ACTGTAAAGT AGATTTCAT AATAGGACTT
 215041 CTTGACAAAG AGTTTCTCTA TTTTCCCCC AGGCCTCTGT GTATCAATGG AGCCCAGAAA
 215101 CTCAGGGTAT CATCTTCTGC TCCATCAACT ATGGGATAAT ACTGACTCTG ATCCCAAGTG
 215161 GATATTCTGC AGGGATATT GGAGCAAAA AAATGCTTGG TGCTGGTTTG CTGATCTCTT
 215221 CCCTTCTCAC CCTCTTACA CCACTGCTG CTGACTTCGG AGTGATTTG GTCATCATGG
 215281 TTCGGACAGT CCAGGGCATG GCCCAGGTAT CCAGATACTT TCTCATTCTT GGTGGATCC
 215341 AGATTTCTGA ATTCTACAAA ATATCAAAGG TCTTAATGAT TTTCATTCA GGAATGGCA
 215401 TGGACAGGTC AGTTACTAT TTGGCAAAAG TGGGCTCCTC CACTGAACG AAGCAAGCTC
 215461 ACCACCATTG CAGGATCAGG TAAGTGTGCA CAGATGGGTC ATAGCTTTGT CATCTGTTCC
 215521 ATCCCCTGT GTCTTATCTT CTATGAATCA AATGGTTGG GGAAGAGAGA GAAAAAGTAC
 215581 TGCTGAAAAA TTCAACAATA TAAGACACTT GCATCACAAA TAGGAAAGAT GCATCTGTGC
 215641 AGTAAAGACA TTGAAGCTTA GAAGTAGAAA AAACCATTTG GAGCTAGTT TCAGCTCAGA
 215701 AAAGCCTTAG TAGTCAGAAA AGCCTTAGTA GTCAGAAAAG CCTTGTGCGA AAAAGTTAA
 215761 ACCTTTAAGA ATTGCACACA TGGAAAAAGA TCAAGTAAGC TATATATACA CCATCTTAGC
 215821 AATGATTTC AAGTGAGAAT TAAGGCTTAC ACAGCTCCAG GTGGTAAGGA GAGAAATCAG
 215881 GCTGGAAGAG TTTGAAGTTT CTGTATTATT CTAAGCTCTT TACTATTCTA TTATGAGCTC
 215941 ATTAATTCTC ACAACAAACCC TCTCATATAA GTACCATTTC AAATTCTTAT TTTACAGAGA
 216001 AGGGAGTTAA GGAAGGTGGA GATTAAGAAA ATTGCCAAA TACAAATAGC CAGCAGGTGG
 216061 TAGGTCTGAG ATTTAAGCCC ATGCAGATT TAGCCCCAGA GCAGACATTC TCAATCACTA
 216121 TGCTAGACTG CCTTCCATG GTATGTGATC CTACTCAGGC CTCTACAGCT TTATCATTGC
 216181 TGTTCTCCC AGCCGTGCGT GCTGAGAGTA TATACTCGAA GAGCAGAACT AAAATTCCAT
 216241 CCAGCTCTC ACTCTCTAGGT CCACTACACA GCTGCATCCT GCAGACTTTT ACCTCAAGCA
 216301 ACCCTCTGC GTTCTTGCTT CCTTCCATCA TAGTTGTAAC CATCTCCTCT ATTGCAAAT
 216361 ACTATCTGCT GATCTCTCTC TTCTAGACTG GTTTCTTCA ACCTCTTCC CACCAAAACC
 216421 AAGTTAGCTT GCTAAAATAA AGATGGCGCA TTTTTACTCA CCCGCTTGAG AATTTCAAT
 216481 GTGTTCTTC ATGCTTACAG AGTAAAGCCT GACCTCTTTA TTGCTGAAAT ACAAAAGTTC
 216541 TTAGCCATCT GGCCCCAACC TTGTTCCACT CAACTCCCCT GTGCAAGCAT GGCTCCAGTG
 216601 GCACTGGACA TTGGCTGCTC TCCACATAGA TCTGCACTGC ACTTCCCTCT GGCTCTGCTC
 216661 CCGTTAGTTT ATATGCTGG AAAGTTCTT GCCCTGTTC CTTGTGCCAA AATTCCATCT
 216721 ATCCTATTGC ATAGCTTATG TAAAAACTTC CTAAACCTTT TTTTTTTTTT TTTTTTTTT
 216781 TTTTTTTTTT TTTTTGAGA CGGTGCTCTA CTCTTCCGCC CAGGCCGGAC TGCAGTAGCG
 216841 CTATCTCGGC TCACTGCAAG CTCCGCTCTCC CGGGTTCACCG CCATTTCTT GCCTCAGCCT
 216901 CCCGAGTAGC TGGGACTACA GGCGCCTGCC ACCATGACCG GCTAATTTTT TGTATTCTA

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216961 GTAGAGACGG GGTTTCAAGC CAGGATGGTC TCAATCTCCT GACCTCGTGA TCCGCCCGCC
 217021 TCGGCCTCCC AAAGTGCTGG GATTACAGGC GTGAGCCACC GTGCCCGGCC AAAACTTCCT
 217081 AAATCTTATA ATTATTATCA ATTTATCCTC AGATATACTT CCACGTACAT TGTAGTTTA
 217141 TTATATTTT ATTACATC TTTTTTTCA AATTGCAGTT TGGGACCCAT TAGTGAGTC
 217201 TAAAATCCAT TGAGCGGGTT AAAATCATTA TTTAAAAAA TGAGTAGAAT AGAATAGAAA
 217261 TTGTTGGAGT GCATTGGACA TGGTAAAGTT AAATATCGAT TCATGAAACC ATCGTTGAG
 217321 GCATATGTGT GTGGTTGTAT GTACAAGTGT TTATGCATAT TGGTGTGTGT GTTATGTTAC
 217381 CCTGTAAAAT GCATTCTTA CTATAGGTCT CTGTGAAATA TGTGTCTTGT TGTGTTTTAA
 217441 TGTAGACTTC CAAAGCCTAC ATGGCATTTC ACTAGTGACA ATCAATTAA TTCACATTT
 217501 TCTCTCCAAT TGGACCAGAA GCTCTTGAG GCCAGGGCT GTATCTTAC GATTTTTGTA
 217561 AGTCTTCAT TTCCCTGCCCT TAGCCTCATA TTAGATCATG CAAGAAAGCA ACTGTAATCA
 217621 CAAGAAAATG CTAATGGGCT GTGATAGCAG AGAGTTACTG TGACAAACTA AGGGATTTAG
 217681 ATTTGGTCAC ATTGGTGTG AGGAGCCATT GAAGAACAG AGAGTGTGTT ACTATTATT
 217741 GTTAATTAA ATTATATCAT ATTACTTTAC TGGGGAAAAT CTGTGAGCTA TTTTAGAAAT
 217801 AAATACTCTC ATTGCCAAT AATTCTAAGT CTGCCACCTC ACTGTTGGGA CATTGTTTAG
 217861 GGAGGCCACG AAGTCTCAGC CTTTGATATT TTCATAAGTG TTTTCTCCC TTTTCCCTT
 217921 AGGGTCAGCA TTTGGATCCT TCATCATCCT CTGTGTGGGG GGACTAATCT CACAGGCCTT
 217981 GAGCTGGCCT TTTATCTCT ACATCTTGG TGAGTCACTT TCTCTTAAAT CCTAATGCCT
 218041 CCATTTCTG AGCATCCATT TTGGCACCTA CACCACCCAC ATTCTCCTA TATGAAAGAA
 218101 AATGTCCTT ATCAAATGGA AGATGATAAA AAATGTCAAC GGTGGTATC ATTTTTAATC
 218161 TAGTCACACA ACCTGATTAA CACCTCCTG GTGGTTCTGG GAAGCCACAC GCAAAAGGTA
 218221 GAGGAGTTGA CTATTCACAT GGCACCCACC GACTTGTGAT GCAGTCTTGT CCTTCCATAT
 218281 CAAGCACCTT CTGCAGAATC TCTACCACCA CATCTGAAGT GCCTGCTATA TGCAAGTTAAG
 218341 ATGTCAAAGA TAGTGAAGTA CATTTCATC GTGTCTTCAT ATTTTCAATT AATTATTATT
 218401 TCTGTCCAAG ATGCCCTTCA CCTGTTCTC ACCAAGTTAA TCTTGCAAAG TTCAATTCAA
 218461 ATGTTCCCTT CCCCCATGGC CCTTCCAGGG CTTACCCCTGT CAGATTCTGG CATTCTCTCC
 218521 TTTATGATAT TTCCCTCTCA GGTTATGTTG GTGTGTAATT ATTTATTCT CTTTTCTTT
 218581 CCACTAGACT GTGAAATGCT TGAGGCAAGG AATCCATTCT ATGTTTCAT CACTTGGGTG
 218641 TCATCATGGT GCCTGATTT TAGCTTAAA ATAAAAGAAT CAGTGAATCC AGTAATTAGA
 218701 GGGGATTAA AGAAAATAG TCCTCAGAAT CTTTAACAT AGAATGTTCT TCAAATAAGG
 218761 AATTCCAATA ATAAGACAAT TTTCTACACT TGATTTGTT TTTATAGCCA AATGGTGTCA
 218821 TTAAATATAG TCCTGGCCTG AATGGCTTTC TCATTAATGA TGCTAATTAT TTTGGTTTGT
 218881 ACATGTTAAC CAGGTATTGT ACAAAAATAT TTCTTTGGG AATCCATAAT GGATGTATGG
 218941 CTTGAATACA AATAATACTG TCTCTGTAA GTGCATTGGA AATTTTCCC TGCCACATGA
 219001 TTTCATGGAA GGTTGTTCG TGTATGTATG ACTGCAAACC TGACTATTCA GATCTTCCGC
 219061 AACAAAGACAA CTTATGTGT CATTAAGAAG TTGCTGCCTA AAATACATAA CACTGTAATC
 219121 ATTGGAGACT TTAAAGTAAT TAATCAGCTA TGCAATGCCA CGCTCTGTT ATCTCCAGAG
 219181 GGCTCTGACA TTGACAAATG GTGGCTTCT ATTGAGACG TAATATCTAA AAAGCTTTAA
 219241 CAGGTTTGTA GAAGGATTGA AAGAAAGAAT GGGAACATTG AGGTCTTAT GGTAGAATAA
 219301 GCATTAATTG ATTAGTGTGT AGAAGGGAGA GGCATGCCAC TTCAGAGGAA ACTTCCTTCC
 219361 CCCAGTAAAC AAATCTACCT AAAAACAAT TTTATCCCTT CTTCCCAGGT AGCACTGGCT
 219421 GTGTCTGCTG TCTCCTATGG TTCACAGTGA TTTATGATGA CCCCAGTCAT CACCCGTGCA
 219481 TAAGTGTAG GGAAAAGGAG CACATCCTGT CCTCACTGGC TCAACAGGTA CAGTGCACAC
 219541 CTTGTACCTG TGGCCCATGC AGAGGTCTCT AGGGCAGGGT GTGGATCTCC TCTGAGAGGC
 219601 ACCATCTTGG CTGCTCTAAT ACTCATGCTG ATTAGATCTT TCTTTTCAGC CCAGTTCTCC
 219661 TGGACGAGCT GTCCCCATAA AGGCATGGT CACATGCCTA CCACCTTGGG CCATTTCCCT
 219721 GGGTTTTTC AGCCATTCTC GGTTATGCAC CATCATCCTA ACATACCTAC CAACGTATAT
 219781 CAGTACTCTG CTCCATGTTA ACATCAGAGA TGTGAGTTA CTTCCCTATAC TTCTACGAA
 219841 ATGATAATGG TAATAAGGAG AAACAGTTCT GTGTTACCTA TTACATTCTG GCTTTACATA
 219901 TAACCATTAA TTTAACCTTC ACAATGACCT TGAGAGAGGC ATTGTTATAA TTCCCTTTTC
 219961 ACAGATGTGG AAACAGGACA CTTAGAGGTG AGATAACTTG CCCCAGGTTG CACAATACTA
 220021 AGTGATAGAG CTGGTGCAGC ATCCATATT TTAACCACTA TGCTACTA CCACACCAGC
 220081 TGATTCCAAA GCTTCTTTA GAAATAATAT TGCTGGCCA GGCATGGTGG CTCATGCCTG
 220141 TAATTCCAGC ACTTTGGGAG GCCGAGGCAG GCAGATCATG AGGTCAAGGAA TGCAAGACCA

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220201 GCCTGACCAA TATGGTTTAC TAAATATCAT CTACTAAAAA TACAAAAATT AGCCAGGTGT
 220261 GGTGGCAGGC ACCTGTAATC CCAGCTATTG AGGAGGCTGA GACAGGAGAA TCGCTTGAAC
 220321 CCAGGAGGTG GAGGTTGCAT TGAGCCAAGA TCATGCCACT GCACTCCAGC CTGGGCGACA
 220381 GAGTAAGACT CCGTTTCAAA AACAAAAAAC CCAAGAAATT AATATTGCTT TTATCTGGAG
 220441 CCCAGAGTGA TGCAGCTTCT GGCCCTCTTA TCTGAGACAG TGTTCTTTA GTGTGAAAAA
 220501 GGATGCTAAT TTTCCCCCAA ACAACCCACA GTATCATGGG GGTAAGTTAA TGGCTGGTCT
 220561 GTGTAACTGA CAAATTTTGG TGCTAACGTA TCTCTATAAC TACTCTGTAT AAACCTCCTT
 220621 CCTTCAGAGT GGAGTTCTGT CCTCCCTGCC TTTTATTGCT GCTGCAAGCT GTACAATTAA
 220681 AGGAGGTCAG CTGGCAGATT TCCTTTGTC CAGGAATCTT CTCAGATTGA TCACTGTGCG
 220741 AAAGCTCTTT TCATCTCTTG GTAAGGATAA GCGTGTGGC CCATTTAAC AATCCCTTTT
 220801 CTGCACATGG TCTCAGAGGG TTCCCTGACA GCATGTCCTC ATTGCCAGG GCTCCTCCTT
 220861 CCATCAATAT GTGCTGTGGC CCTGCCCTT GTGCCCTCCA GTTACGTGAT AACCAATTAA
 220921 TTGCTGATAC TTATTCTTGG GACCAGTAAC CTATGTGACT CAGGGTTTAT CATCAACACC
 220981 TTAGATATCG CCCCCCAGGTAGAGAGCTCAC CTGTTTTTC CCCTCCCTCA GACCCCTCCA
 221041 GAGGTGTTAG ACCTCACTGG TCGCCGTGAA ACTCTTTAAT GTTACTGACA TTGCACTAAT
 221101 GGCAGAATGA CAAATAACTA CAAATATCTG TCTGTGGCCA TTTTTAGAAC AACAAATGTG
 221161 GCATTTTAG AACACAATT TCCAATCTTG GCCAGTAATC ATTTTGACAA AAACCTTCCC
 221221 AAGCTTCCCT AACAGAGATT GAACTGTGTA TGCTGGAAA AGGCCACAC ACAGGTGATT
 221281 TGGAAAAGTT TCCATGGTGT TGTTCATATT AGCTACCACA TATATATATA TATATATATA
 221341 TATATATATA TATATATATA TATATATATA TACAGTCACA ATAAGCCAGC TCCTGTGCCA
 221401 AGACTTGCCA TATATCAACA CATCTAATCC TCACAGTTAT ATTAGGTAGG CCCTATTGTT
 221461 ATCCCCATT TATAAGGGAG AAGGCTGAGG CACAAGGAGG TTAAATGGTG TGACTATGGT
 221521 CACATAAAGG CAGAGCCAGG ATTTGGACTG GGGGAGTCTG GCTTGGAGT CTGTGTCCCTG
 221581 CCCGTTGCAC AAACCTGGCTT CTACACTGAG CAGCCAGGGT AAAGAACGT GGTCCCAGA
 221641 GAGACTGCAT TGCTCCCTGG TTATTGACTT GGTAGATTGG TAATTCAGG TTTGGCAAAT
 221701 AGACATTGCC CTGAATGTCT TTAGGTGAAT GAAAAACTGC ATTAAGCAAA ATGACTTTGC
 221761 CATTAGAGCT GAATTGCATT AAAGTTGAGT TGCTGCAGAA GCTGTAGGTG GCTTCTATA
 221821 TAAAATCATT TATAAAATCA TCTTCCCATA GATATGCAAG TTTCTCATG GGAATCTCAA
 221881 GGGGATTGG GCTCATCGCA GGAATCACT CTTCCACTGCA CACTGGATTC CTCATCAGTC
 221941 AGGTTGGGTC AGTTTATTGA ACATCTTCAA GTGGCAGGTAA TTGTTTTAGG TGGTGGAGAT
 222001 ACACACGGTG CTCTAAAGAT CTGGATGGCA ACACAATTAC TCTATTACA TGAGCCTCTA
 222061 AATCAGACTC TGGTAGGTCA GATTTCCAG AGGAAGAAAA ATATAAGCTT ATTTCTCAA
 222121 GATGAATAGA TGTTAGATTG ATTAAAATGA GCTGTTCCGG TGCAGAACAG AGCACGTATG
 222181 ACTTCCTAGA GGTACATGAG CATGAAACAG TTCTTAGTTA TGACCAGAA GAAAGACACA
 222241 TGTCAAGGAA TAGCAAGAGA CGAAGACAGA GGGGAAAG AAGATCATGA AGAATATGTT
 222301 CAGACTAATC CAATTTTAA AAAATCACAA AAGGGAAACA AAGTGTCTA GCCCAGTTA
 222361 AAGATAATT AATGCTGGA AACAGATCGG CTGTGAGACA TTGCAAGGAG GCTTGCTCGG
 222421 TGTTGGAAA TGCAGGCTCA TGAGGAAGAT GAAAAGACAG ACCCAGGCAG GGATGGAAGG
 222481 ACTGACTAGA ACCAACTTAC AAAGAGAAAGT TTTGTTTTA CTACATTCT ATGTGATCAA
 222541 GTTCCCAGGT TAATATTGA CTAAACTGCT AGGAATCCAC TGTGACTATA ATGCTGGAAA
 222601 TGACTTAGTA GGGCTTCTG AGGAGGGTCA CACAGAACAC CAAAGAGAAC TCATGTTGAA
 222661 TTGAGATGGG TTATAGTGT AGTTGTCAAC AGCCAATACA GAAACAAAAA AAAACAAAAC
 222721 AAACAGCAAC AACACAACA ACAAAAAAAA AAAACAGAGA AGACACAAAC ACAATGCCAC
 222781 AATGCCATT TAGGCATAAT TTAAATGAG TAATATTATA TGTTGAAATC CAAATTTCA
 222841 GAAAAACATT AGTGTATTAA ATTGTTGTTT AAAGAAATAA CCATCTAAC TCAGAACCCCC
 222901 ATGTGCATT TGGCCATTAA GTTTCCAATA GTTTCATAAA CTTCTTAAG TAACTACTGC
 222961 ACATTGTTCC TTATATTCTT TGTGATCAAC ATTGCAATAC ACAACTGGGA GGGCTACTAG
 223021 AACTGGTGTAAAGGAACCT GTGAGATTGA TCATTTCTC TGTTTTTAC ATCTAGGATT
 223081 TTGAGTCTGG TTGGAGGAAT GTCTTTTCC TGTCTGCTGC AGTCAACATG TTTGGCCTGG
 223141 TCTTTTACCT CACGTTGGA CAAGCAGAAC TTCAAGACTG GGCCAAAGAG AGGACCCCTTA
 223201 CCCGCCTCTG AGGACATAAA GTTACAAACT TAAATGTGGT ACTGAGCATG AACTTTTAA
 223261 ACATTTTTA CTTCTCTCCA TATTCTGAC CATAGACTCA GCAGTTCTTA ACTCTGGCTG
 223321 TGTGTTAGTC TTCCCTGGGG AGCCTTATA AGACACTGAT ACTTGGGACCA CACTCCAGAG
 223381 ATTCTGAATG AATTGGTCTG GGGTGGAACC CAGATACTAC TAATTTTAG ATACTCCTTA

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223441 GAGGTTTCTA GCATGCGCCC GGGGTTGACA ACAGCTGGAC AAAC TTGAAA AGTCAATTCA
 223501 TGTGGCCTTT GAATTTCCT CATTGAAAG TACTAAATAA ATAAAAAATTC ATGTGAAAAT
 223561 GATCACTGAT AAATATCTTC ATGGTGGGC AGGTTATTGG ATGCAGAGAA GATCTGCTCG
 223621 GAATTGTAGC CATATGTTAC AGATCTCAGC ACCGATCAGA ACTGTAAAGC TATAATCCCC
 223681 AGAATTAAAG TTTTTATTAT TTTTTATACA TTGTAAAACA TAGACGTTA TTTATGTGAT
 223741 TAAATTCTAT TAAAATTAC ATGCTAAAAT AAAATAGACC ATTTTCAAAT TATTAGATC
 223801 CAGATATTTC CATCAGATT AACAGATATT TATTTATCCT AGCCCAATTG CAAGAGATTA
 223861 ATGATGAGAA AATGACCAAT ACAAGATTAA ATAAATGAGG TTAACCTAGA AATCAAGGAC
 223921 AGAGAAGATA GAACTGGAAA GCTTGTATTG TGAGAAGAAT GAATGTGAAG GAAGGCAATG
 223981 TAGACACTTC CAGAAGGGAT AGCAATATAG TTTAGACCAT ATAATGAAA TTGGAGAGAG
 224041 ATGACAGAGA CACTTCAAG TGAAATGACA ATTATATATGG GGGGAGAAAAA TATTGAAGAC
 224101 ATAACAAGAT GAGAAAAGGC ATAGAAATGT ATCACATACA AGGCATAGAA GTGTATCACA
 224161 TACAAGAGAA GTTCCCTTTG AGCGTAGAAA AAGATAATT AACCTCTTC ATATTTTCT
 224221 TACTTCCCA AGATACTCAG ATAGGCAGCG TCAACTCTAA CAGGAATTAA TTGGCTCCT
 224281 AACACTTAAG ACATATCCTT TAGTTGTCT CCTCACACAG AACTGATTCT GGTTTGCCA
 224341 CAACATGTCT AGAGAAGAAG TTCCCACCAT ATTTTAAATC CTATTAAAAA ACTGCTTGGA
 224401 CAAGAACCTT GGGCTAATTG AGCAGATGAA GAGAATCTCC TAATGCAAAT CAATGGGTAT
 224461 TTTTGAGCAA GTTTTCAGA AAAACAGAGT GTCAGGCCCT GAGGGTGGTA CTAAGATGAG
 224521 AACATTGATT TTGCCTTCAT GATATTGACA ACACAAAGAG GAAAGGGGGT TTGCAGAAAAA
 224581 CTAAAAGAAG AAGTAGAAGA AAAAGAAAG ACATAGTATA ATAGGTAGTC AAATTATGT
 224641 CAGAAAAAAAG AGGAAAAAAA ACCAAAAAAG GGTGGGGGAC AGACAACCCA ACTAAAAAAAT
 224701 GGGCCAATGA CTTGAACAGG GACTTCATAA AAGAGAAAAT GTAAGTGGCT CCTTAACATA
 224761 TAAAAGATG TTCAACTTCA TTAGTCATTA CAGAAATGAA AATCAAAACT ACAATGAAAT
 224821 ACCACTATAA AATTAACTAA TGGATAAAAAT GAAAGGAGAT GGAAACAAA ATGTTGCCAG
 224881 ACATGTGGAG CAACTGGAAC TTTCATACGT TACGAATGTG AACTTGGAA AGCTGCTCGG
 224941 CAATATCTCC TAAAGCTAAA TGTACAATTG CAGTGACTCA GACATTTCAC TTAGAAATGC
 225001 ACATATACAT CCATAAAACA TGTACAACAA TGTTCATAGG AGCACTATCT GTAATAGCCT
 225061 GAACAGGAAG TTGCTGTTA AAAAGAAAT GAGTAAATAA ACCACGGTCT ATTGTATAG
 225121 CAATGAGAAT TAACAGACCC CAATATATAA TAGATGAATG GGTCTCATAA GCACAATATT
 225181 GATTAAAGGA AGACAAAACG CACATTCTT TAAAGGTTA TAAAATACTT TTAAAAAAACA
 225241 GCTACAACCA ATCCGTCCTG TTAAAAATCA GTGAGCGATT TCCCTTGTGC AGGGATGGGG
 225301 GTTGTGGCTG GATGGATGGT ACTTAAGAAG TGCTCCTGGG GTACTAGAAA TATTTTATT
 225361 CTTGACTTGG ATGTGTGTT ACTTTGTGAA TATTGTACAT TTATGATTG TGACAGTTA
 225421 TGAATGTAGA AAATAAAACA GAAAGCAAAT TCAAAGTATC ATCCTTTGA GAGCTTCTGC
 225481 TCTGACTTCG TTTTGACCAA TGGAGCAGTT GGGAAAGGGGT CTTGGTCCCT CGGTCTTTG
 225541 CTTTTTTTT TTTTTTTTT TTTTAGACAG AGTCTCACTC TGTCGCCGG GCTGGAGTGC
 225601 AGTGGCTCGA TCTTAGCTCA CTGAAAGCTT TGCCCTCCGG GTTCATGCCA TTCTCCTGCG
 225661 TCAGCCTCCC CAGTAGCTGG GACTACAGGC ACCTGCCACC ATGCCCGGCT AATTTTTTGT
 225721 ATTTTTTAGT AGAGACGGGG TTTCACCATG TTAGCCAGGA TGGTCTCGAT CTCCGTGACCT
 225781 CGTGATCCGC CCACCTGAGC CTCCCCAAGT GCTGGGATTA CAGGTGTGAG CCACCGCGCC
 225841 CGGCCCCCTGG TCCTCTGCTT TCATGTTCTT CTTGGTCTG TTCCTCCCTC TCTTTGTTG
 225901 GAACTTCCAG TATCAGAGCA GGAAGGAAGG CAATGGGTCA ATCGATGCTG TCAGCTTTG
 225961 GATCAAACCTG CAAGTTCTCA AACAGCAAAA TTAATGAGCT CAGGCTTGA AGAAACCATG
 226021 ACCCTGAAG CATCAGTTGC TTCCAATTGCA ATCAGTTGCC ACGGGTGATA AGAACAAATGA
 226081 TGACTCAGAA TGCCTAGGTT TTCCCAGCAG CTTCTCTGAG GTTTTCCCAG CAGCTTCTCT
 226141 GATTGATTCC TGACAGATGA CTTCGGTGTG TCAGACTTTC AGGGTATCTT TCCTTATGTG
 226201 ATGGTTGAG GAAGAGTTAC CATTACATT CCTAATGGCT TCAGAATAGA TGCAATTGTG
 226261 AACTGATAGG AAACATTCTC AATTCACTTC CCCTCCCCAT CCCTAAAGGA TTGTTTCTAA
 226321 CAATAGTCAT GAAAATTAAT TCACTTTCT CAAATAGTTT ATTGTCACT ACCTAATGAT
 226381 GAGATGACTT ACTTTTCTC CTTGACTGTT AAATATTATG AATTATATTA ATGTATTTCT
 226441 TAATGTTGAG CTTCCCTTG AATATTCTT TGATGTACGA CAGAATTGAA TTCACATAATA
 226501 GTTATTAG GACTTTGGCT GATGTACTGA TATATGAGAT TGGCTCTGTA TGCAACATG
 226561 TGTGTTGTGT ATCTTTTTG TGTCTGGATA TGGAGCTTAT GCTGATTCA AAAACAAGAA
 226621 AGGAGAACTT TCCTTTTCC CCATTACTCT GAAAAAGATT GACTAGAATG GAATTTTAT

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226681 AATTGCTGTT GTTATTTGAA AGCTTGAAAG CATTGGTTG TAAAAATCAT GCAGGCTGAA
 226741 AGCCATTG AGGAGACTT GATAACTTC TCAATTCTC TCAGTTACTG GTCTTTAAG
 226801 GGGTTTTATA TTTTCTTG ATCAATTG ACCATTATG TTATCTTGA GGATCATCTA
 226861 TTTTACACAC TATTTAAAGT ATATTGCAA AAATTCAACT GTTTTATCAG GCTATCTTT
 226921 TAATAATATA TTCATTCTAT CTATATCTGA GTTTTAGCT TCTTGTACT TCTGACCCAA
 226981 TTGCATGTGT GCTTCTTC TCCTTCATTA GACTACTAG TCATTTACTA ATTTAAGAA
 227041 TAGCTTGCT TTTATTATT TACTTATTAA TTTTGAGAC GGAGTCTCAC TCTGTCACCC
 227101 AGGCTGGAGT GCAGTGGCGC GATCTGGCT CACTGCAACC TCCGCCTCCC GGGTCAAGT
 227161 GATTCTCCTG CCTCAGACTC CCGAGTAGCT GGGATTACAG TCATGCACCA CCATGCTGG
 227221 CTAATTCTG TATTTTAAT AGAGATGGGG TTTGCCATG TTGGCCAAGC TGTTCTCAA
 227281 CTCCTGACCT TAGATGATCT ACCCACCTTG GCCTCCAAA GTGCTGGGAT TACAGGCATG
 227341 AGCCACTGCG CCCAGCCCTG CTTGCTTTT TATTTTATAT TTGATTAGCT TTATCTTTA
 227401 TCAAGCTTAT GTCCTATTTC CTTTGCTTT ACTTCATATA AATTTGTTT TGGATAGTTT
 227461 ATTTATTTTT CATTAAATTA TGAAACAGGT TAAAGCTTAG AGGAAAATTG CTCCCTCAAG
 227521 TCCACTTTG TGGCAGATT ACATTTGCT GTGTTGTGCT CCCAAATTCA TTGTTCTTTT
 227581 AATGCTTTAT TTCTCAAGTT AATAACCTAT ATAGTAAAAA AGTGGCTGTT GACTCTCAGC
 227641 TTTTTTTTT TTTTTTTTT TTTTTTGTA GATACAGGGA TCTTGCTGTG TTGCTCAGGC
 227701 TGGCTGAAA CTCTGGCTT CAAGGGATCC TCCTGCCTTG GTCTCACAAA ATGCTGGGAT
 227761 GACAGACATG AGACACCAG CCCAGCCATG TCTCTCTCCT TATATATAAT AAGAAAACAG
 227821 ACACACTGAG GCATCCTATC ATCTCACTCT TGGTTTCACT ACTGTTCTCT GGAAGTTTG
 227881 CTCTGACCTT TTGAGTTAA TGTATTAAATT TTGCATTGAG TAGTTCCAT AGAAGAATTA
 227941 TAGCATTGTC ATTCTGTTGG GTATTATACT TTTCACTGTT ATTTGAACAT AATTTGAGGG
 228001 CTGAAACAA GATGAGGCAA GTGAGGTGCC CAGGAAGCAA TATTTAAGGA GGCATCCTT
 228061 CTTAGGCTCA TGCAAGAACAA GAATTGGCAC ATGAGAGTGA GTGCCTCCTT AATTTGAGT
 228121 GCTGGACACT TCTTGCTCAC TTAGCATACC CCTGGACAAT GAAGTGTGTT TTGTTTGTT
 228181 TTTTCATGTC CATCCTTTAT CTTCTTCAT CTCAAAACAT TTCAATGGAG TATTTTTTG
 228241 GAGCAGTACT TGGATGAGCC TCTGAGTCCC ACAGTAGCTG AGAATTATTTCATAGTACT
 228301 CTTTATGATC ACTGTGGAGC CTTAAACAT TGTAATATTA ACTTAGCTGG GAACAGAAAT
 228361 TTTGTTCCAC AATTGTCCTT ATTCAAGAACAA GTATTGACTT CCTGCTAGTC TCCTCTGATG
 228421 TCCAATATGA GGAAGTCTAG TTAGCCAGCT ACTTTTGTA GGAGAGCTAT GTTTAGGCTA
 228481 GGTGCTATAG GATTCTCTT ATCCTGGAAT TCCCTCACCA AGATGTGCCA AGGTGTTAAT
 228541 CATTTCCTCT TGCTTTTG TGTTGGTCT TAGAGTTCC TTCGATTTG TTTTATTTAG
 228601 TGATTGTCCT CAATTGTTT TCTTTACTAA GAATCTCTCT TCTATTATC TGATGGTAA
 228661 AACCTGTTG CCCATCTTC TGGTTCTGC TGACCTTCAT TTTGGACCT TTTACTTG
 228721 TTTCTCCATG GACTTTTG TAGTGGAGGC AGGCAAACAC TTTCCAAAGT CTTCTCAAT
 228781 TTCCATCAAT TTCAACTTAT TCCCTAAAT TGCCTCAGAA TGTGCCTATG TCCACAATAT
 228841 CCCTCCTTCC ACTTTAGAAA GGAAAGGCAT CCACACTTTA TTTAGGTGCA ATGCCTGAAG
 228901 TGTAACACT TTCTGTTGT CAACAAAGGA GTACTTCAA ATATTGGTTT GGGGATAACC
 228961 TGCTAATGAT TAACACATTCA ACCTGGCTC TTGGTTGCC TGCTCCCTCT TCTTTATCT
 229021 GCTGTGTGTA TTTTTTTAA TCACTGAGAA TATGCACAGT ATTGTATGTT TTATTATAAG
 229081 AGAGGACTGG CCAGAGTGGG AATGTTCTGA ATTCAAGATA ACTGAAGCAG TACAGGATAG
 229141 GAACTCATTC TTTCAAATGA AGCTGGCATA TTTTCCCAGA GCACCAAATT TCAATATATA
 229201 TTTAAAAAAC TTGATATGAA TGATACAATA AAGTGGTTAG AACTTTATT AAAATAAAACT
 229261 TATGTCATGA AATACTTATT CTAATTATAG TCACCTTCA TCTTATTTCATC TCTTATAACAA
 229321 TGTTTAATGT TTTCTTTTAT TTACAAAACA ATTATTATTT TGATGAAAAG TTTTAGAAAT
 229381 CAAGTTAAAAT ATTCAAAG GAATGCCTAA AGTTTCAA ATTCTTTAC ATGTTGTACA
 229441 ATCAAAGAG TCTGAAGACC ATTAGCTAT CCAAATTGTT TATTTTAAG CAGTATCCCT
 229501 TCTAATATT ACTATTATA ATCCTTAAA ATTGGCTTA GCACAGGAGA ATTGCTTGAA
 229561 CCCAGGAGAC GGAGGTGCA GTGAGCCTAAC ACAGTGCCAC TGCCCTCCAG CCTCGGCGAC
 229621 AGAGTGGAGAC TCTGCTCAA AAAAAAAAAA AAAAAAAAAA AAAAAAGGCC AAAACAAAT
 229681 AAACAAACAA AAAATCCGC CTTAACATTA TTGTTTCATT AAAACATTTC TTTAATACTA
 229741 CTAGTTCCC TTTCTCTCA GCCCATTGTC ATATTGAT TTTTATCACT TGCTTTGTAG
 229801 GACATATGAG GTTTTGTGTT TTTTTTTTT TTGGAGATGC AGTCTCCCTC TGTTGCCCGT
 229861 GCTGGAGTGC AATGGCGCAA TCTTGGCTCA CTGCAACCTC TGCCCTCTGG GTTCAAGCAA

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229921 TTCTCCTGCC TCAGCCTTCC AAGTAGCTGG GATTACAGGC ACCCACTACC ACGCCTGGCT
 229981 AATTTTGTA TTTCTGGTAG AGACGGGTT TCACCATGTT GGCCAGGCTG GTCTCGAACT
 230041 CCTGACCTCA AGTGATCCAC AATCCTTGGC CTCCCAAAGT GCTATGATTA CAAGCATGAG
 230101 CCACCTGCC AGCCAGAATA TATGTTCATT TTGAGTCCTT TAACAAAGTC ATAAGAATT
 230161 TAGGAATTCA GTTACTTTCT TGAGAAAATC TCTGAAAAGA TGCCAATAAT TTGTAGCCAA
 230221 TTATATTGAT TTCTCTTTT CATATTGAGA ATTGTTTTT AAAAAGTTG TATGTGTGAA
 230281 GATTTTGCA CTGTAGTTAA AGAAAACCACC TGTGTGTTGG TTAAGCCATA AGTACATGTA
 230341 TTCAAATAAA TTGAGGTGGG GTTACTCTGA GAATCAAAGG AAAACCTGAA GAAACAGGCA
 230401 GCCTCAAAAG GTCTTAGCTG TAGCAACTTG CTCCATTGTT GAAATAAATA GGCTTGAAC
 230461 TGTATTTCC CTCTACTCAA CATTAAAGGT CTCAGAAGAT AATATAATTG GTGAAATT
 230521 AGTAAAGTGC TCACTCTTT GCTTTAACAA ACCCTAGAGA GCTGGTAGGC AGAGCCTCAA
 230581 CAGACCGTT TAGCTTCAA AGGGAGTTCA GGACACCAG ATTACAGACC ACAATACATC
 230641 ACACATAATT GAGAAAAGAT AGTTCCACCA AATAAAGTTG AAATGCTGAC AAGAAGGGGT
 230701 AAGAAAATCTT GGAAATAGGT TTATATAAAA TTATTTTTT CCTTTTTTAT TTGTTATGGAA
 230761 TAGGACCAAGT TCTACTTAAAG CCACCCATTG GCCAAAATAA AGTGAGAATC GTTTCTTTG
 230821 GGGACTCCTC TTTGTAGCTC CAAGTGCCAC TAACAATTCT TAGGACCTGA GCTATAAGCC
 230881 AGGTGATTC AGTTAATATG ATCAATTATT TCATTTAAAT GGCTCTAATG TGCAGAGGG
 230941 ACGGAGCCCA TCAGCATTCC CTGCAGGGAA CTGCAGTGGC TTTTATCAAC TTGAAACAGCT
 231001 AGCTTTCAAC TGTTTGAA TCACTTTCAG GGTGGTCATG TAGTTGCTT TTGAAATCA
 231061 GAAGATGATT CTGCCTCTT TAATATGTGA CTCCTCAGAT TCAGAAAGTG CTCGCTAGTC
 231121 TTAAGAGTGA ATTACCCCTCA GTGGTCCAGC GCTTATGAAC CCACATCTAA CCCTATCCCC
 231181 TGGGGAACT ATCAGAGAAA TTGGTGCAT GGACATAAGA GGAAGGCACA GTGAAGCAGA
 231241 GAGCCCCGCA TGATGAAAAT CAGTGGACAG CATCATTATT TACAACCTTG TAATCACCCA
 231301 GGAGCATGAA AATCCAGGCC AATCTGGCAC CATGAGCTCT AATTTTTGTT GGAGTTCTTG
 231361 GAACCGATTC TGATGAATGA CTGTTTAGCC ATTTCAGACT GTGGCATACG TGGCTGCTGG
 231421 CATAACAGAGG TTGGATGTAA ACGGGCTTT GCCCTCTCTT ATGAACATAG ACAGGAAC
 231481 AACTGTGTCA CATAGGTTC AATGGTGGC CTGAATACTA TTTACAACTA AGGTACAATG
 231541 AAATTGAGTA AGTCTTTCC TCTTTGCGAT ATACCATCAT TATTCAATAA TTCTTCAAA
 231601 GTTAACATT TGTATTTGGT AATTTTTAAT AGAAATGTAA TAATTGCTTC TCAAGTTTAG
 231661 TCTTTAGTCT TAAGGTTGAT GCTCTCCATG TCCTTCCAAA AAAAGGTATG TTGCTTTTAT
 231721 TATATCCTCG CCTTCAGATG GGATTATTCC ATTTCAGTCT TTGTTAATAT ATACTTTGAG
 231781 CCACTTTTT TGTGGCTCTG GGTGAGATGC TATAGGTACA ATGACAAGTG ATACGTGTGT
 231841 TGTCCCTGTC ACAAAGTGG ATAGCCTAAG TGGTGACTTT TACCTCCACT CCAAATATAT
 231901 GTATCACACA CCAGCCGTAT GCCAGGCACC ACTCTAGGTG CTAGGGATAC AGCAGTAAAC
 231961 AGACAAATGC AACCCCTGCC CATGTGAAAG AGAATAAGAC AATAAAATAAG TAAAGTGCAT
 232021 GTTATATGGA GGTGGCAAAT GCTAAAAAGA AAAATTAAGC AGGCAAGAGG ACTCATTGAA
 232081 AAGATGACAT TTGGTAAAAA GCCCATGTAT ATATGTTCTA TTGGTTTTAT TTCTCTGGAG
 232141 AGCCCTGACT AATACACAAT GACTTTGAGA AGTTACTGGC TTTTGATTAA TCACACTATT
 232201 CGGAGTGCTG AGAGCCTCTC TAGTGTGTAT TCAGTGTCTT AAGAGAGCTT GTGGATGAAT
 232261 AATAAAATAGG ACAAATTTA TCCAAACTTA AGCCTTGCTT TAGGTAAAAG GGCTCCTCTT
 232321 ACAAGGTAGA AGGTTATTAT TTGACATTAA AATCCAATG AAGACTAATA AGACTAATTA
 232381 ATTAAAAGTT TTTAAATCAC AACTGCGTGC AAAATAATG GAACTGCCAT GCTCGCCAAG
 232441 TGTGCATGAG TGGTGTGCAT GGGAGACAGC ACGAAGCTAA TCCCACTCAT CTTGCAGGTT
 232501 GCTCCATTTC TCTCTAAAAA TCAGTAAGAC AGAAGCTGGT CAGATTATCA AGAGCCCTAG
 232561 TTAAACACAG CAGTAGCATT TGGAAAGGGT TGCTCTCATT AGGCAGTGCC TGACCACAA
 232621 AAGAGATGAA CAAGCCCTGT ATCTGAAGCC ATCATGCCTA GTTATGGTCC CCGACTGTT
 232681 ATGATGCCTG GAAGGGAGGC CCCCTGCACC CTAGAAAGCT GGGTGGTTC TACTGTCTGC
 232741 TTTACTGCTA AAAACCTCT TCTTTGGATC TGGACTTTAC CTCTATCTGA TTTTTTTTTC
 232801 TAATATATGA TTTGGCACTG AGTCTGTCA TGCTGCTAAC TCAGCAGTTC TAGGGTCATT
 232861 GCCCCATTGC CTCACAGAAA GAATTTCATA GCTTCCAGCA TCCTCTCTCC TTCATTATAC
 232921 TTTGATTCA GCATTGCTAT TTTTCTCTT GGGTGTGCA GCTCTCTC TCCCTCCCAT
 232981 GTCTTGTGG TTTCTGCTA ACTCCTGCTT TTTTCTTTT TTTTTTTTG AGACGGAGTC
 233041 TCGTTCTGTC ACCCAGGCTG GAGTGCAGTG GCACAATCTC GGCTCACTGC AACCTCCGCC
 233101 TCCCGGGTTC AAGCTATTCT CCTGCCTCAG CCTCCCAAGT AGCTGGACT ACAGGCGCTC

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233161 ACCACTATGC CCCACTAATT TTTGTATTT TAGTATTGCT GTCATCAATC CACATGTCCA
 233221 GAAGCACCTA GAAACTCTAA TTCTTTGTAG GTATCAAACC CTAGGACTCT TTCCCTCTAAT
 233281 CACAATATAT AATCCCTGAT TCCCAACAC GGTCTTTCA TATACATTTT CCACGTACA
 233341 TACTTTCTGA CCTGGAAAGC TCTTACACAA ACACGCCCTC CCCTAGGAAG CCTTTATAAA
 233401 TGTTCCCAGG AAGAACATCAGT CACCAACAG TGTCTTGTC ACATCTTAGG TTCTACACCT
 233461 TTATTTGTT TATCTGAATG TAATCTCCA GAGGGTGTGTA TCATCTTTT TTTTGAGATG
 233521 GAGTCTTGCT TTGCTGCCA GGCTGGAGTG CAGTGGCATG ATCTCGGCTC ACAGCAACCT
 233581 CCACCTCCTG GGTCAAGTG ATTCTCCTGC CTCAGCCTCC TGAGTAGCTG GGATTACAGA
 233641 CGTGTGTCAC CACACCTGGC TAATTTTGTG ATTTTTAGTA GAGACAGGGT TTCACCGTGT
 233701 TGGCAAGGCT TTCCTCGAAC TCCCAAACTC AGGTGATCCA CCCACCTCAG CCTCCCAAAG
 233761 TGCTGGGATT ACAGGTGTGA GCCACCATGT CCAGCCCCAT CTTTTCTTT TAGTTTAGTT
 233821 CTTAACAAAT AGTCTGACAC AAAGTGGATA TAACAATATT TTGAATTATG AATAACTAAA
 233881 TGAATATTTC CAGATTCCT GGTGCTCTCA AAGTTTTATG TTACAAAAGA AAAACAAAGTC
 233941 TAAAAATACCT GCCTCAAGTT TTTATCTGTA CTATGATTT AAACCAAATA AAAAACAGGT
 234001 GGGGTAAAAA CTGAAACAGG AAATACATAT AACTGAAAAA TTTTGGTATG TTAGTATGAT
 234061 AATACTAGGT CATTTTCCT GTTTCACCAA CTTCATTTTC TATAGCAATA AAAAGAAACA
 234121 AGTAAATGTA TGTTAATTAA ATTTAAAAGA AGTAGTCTAC CATCTCTTCT GTAAAAAAGA
 234181 AAAAAGTATT TTAAAAAATT ATCTCTGGAA GGATACACAG GGAACATTGC TCTGGTTTCT
 234241 TCCAAGAGAG AAATGAGGAA CTAGAGAGCA TGGCCAAGTG GGGTTTGCT TTTGTTTTG
 234301 TTTGTCTATC TGTTAGCTTT TTATTATTTT CTTTTGTAGG TTTGAATTTC AAACCACATA
 234361 AATCTGTAC ATGCTCATAA TAATAAGTTT AAAATAAAAC TTTGGCTGG GTGCAATGAC
 234421 TTACACCTGT AATCCCAGCG CTTTGGGAAG CAGAGGTGGG AGGATACTTG AGGCCAGGAA
 234481 TTTGAGATCA GCCTGGGCAA CATAGTGAGA CCCTGCCTCT GTAGAAATAA ACAAAAATTA
 234541 GCTGGATATG GTGGTGCATG CTTGTACTCC TAGCTACTTG GGAGGTTGAG GCAGGAGGAT
 234601 CCTTTGAGTC CAGGAGTTTG AGGCTGCAGT GAGCTATAAT CACCCACTGC ACTATAGCAT
 234661 GGGCAATAAG GTGAGAACTT GTCTAAAAA AAAAAGGGGG GGGGAAACA AATAAATAAA
 234721 TATAAACAAA ACTTTGTTT CAAAATATGT AATATTTAGC ACTAAAGAAT TCTGAATTGT
 234781 AGAGCTAAAA AGTACTTAAA AGTTAATAAC TATTGTCTCC TTTAAAAGAA TTGTTATCAA
 234841 AGTATAAATT TTATCCAGAA AATCATCCAT ATCAGCAAGC TAAACTTCT CAAAATGACA
 234901 TATCCATGTA ATTAGCTCCC AGGTAATTAG CAGGCAGCCT CTACTCAGGT TGAGTATTCC
 234961 TAATCTAAAA ATTGGAAATT CAAAATGCTC CAAAATCTGC AACTTTTGA ATGCTAACAT
 235021 GATTCTCAAA GGAGTGTCA TGGAGTATTT CAGATTTTGG ATTTTTGGAT TTGAGATACT
 235081 CAGTATAATG CAAACATTCC AAATCTGAAA AAATCTGAAA TACTTCTGGT TCTAAGCATA
 235141 AGGGATACTC AACGTGTGTT AGCTAATTAG ACCCTTCATG GTCTCTCTA GACCTCAGCT
 235201 TCTTCAAGGT AACCTCTATC CTCACTTCTA ATAGCATGAA CTTTTCTGTT TTAGAATAAT
 235261 TTGGATTTC AGGAAAGTTG CAAAGATAGT ACAAAAGACAG TACAGGAGAG TTCCCATATA
 235321 TCTTTCACCT AGCTTCCCC CATTGTTAGG ATTTTACATT ATTATGATAC ATTGTCAAA
 235381 TATAAGCAAC TCACATTGAT ACATGAAACT CTATTAACCA AACCTAGAC TTTATGTGGA
 235441 TTTCACCACT GTTTCCACTA ATGTTTCTT TCTGTTCAA GGTCCAATCT GGAATACCAC
 235501 ACTGCATTTT CTTGTCTAT CTCCTAGTC TTTTTTGTG TGTGACATG TCTCAGTCTT
 235561 TTCTTGCTTT TCATGACCTT AACAGTCCTG AAGATCATT GCTTTTTTT CATAATTACA
 235621 CCGGAGTTAT AGATTTTTG AAATAATACC ACAAGGGCAA AGGGCCCTC TTGTCACATC
 235681 ATTTTAGGGA GAACATGATA TCCACATGAC ATCACTGATA TTAACCTCA TCATGTGGTT
 235741 TAGGTAATGT TTCAGGTTTC TCTACTGCAA AGTGATTTT TTCCCTTAAT TTAGCCACC
 235801 TGAACCTTATC AATTTGTTT TCTTCCATGA CTAATACTTT TGTTATTATA GCTAAAACCT
 235861 CATTGGGCC AAATCTTAGA TCATGAAAT TTTCTTCTAT ATTTTATTCT AAAAGCTTGT
 235921 AATGTTGAT ACATTCTAAA AGATGTAATG TTTGATACAT TACATCTAGT CCTTGATT
 235981 ATTTTAGTT ACTTTGTTAAGGTGTGAG AGATGTCCTC AGTTTCACTT TATTAACACA
 236041 TTGTGGTGTGTT CCAGTACTAT TTGTTGCTAA GACTATCTT TTTCCATTGA TTACCTTTGC
 236101 CTTAGTTGGC AATATTTTG TTGGTTTATT TCTAGACTGT TTATCTCATT CCACGTGATT
 236161 GTGTCTATCT TTTTGACAAA ACTGTTGATT ACAGTAAGCT TTGAAATAGT TCATTTTTG
 236221 TGTCAACTTG ACTGAGTCAG GGGATAACCA GCTATCTGGT TAAACATTAT TTCTGGCTGT
 236281 GTTTGTGAGC GTGTTCTGG ATGAGATTAG CCTTTGAATA GGTGATCCTA GTAAAGTAAA
 236341 CTGTCTTCC CAGTGTGGAT GGCATTATGC CACCTGATAT TCAGGGTCTG AATAGAAGAA

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236401 AAGGCAGAGG AAGGGGGAAT TTGGGCCTTT TTTCTGCCT CACTGCTTGA GCTGGGACAT
236461 CTCATCTGGT CTCCTGCTCT TGAACGTGGG TTTACATCAT CAGTTCCCTCT GTCTCCAGG
236521 CCTTCAGATT CAGACTGAAT CATACCACCA GCTTCCTGG GTCTCCAGCT TGCAGATTAC
236581 AGATCATGGG ACTCCTCATC TTCCATAAAT GCATGAGCCA ATTCACTGCTA TGTCCTTGAA
236641 AACTGCCCA CTGCAGATTA AGGCTTTTT CCACTAGGTG AAATAAAGAA GCTTGTTAGA
236701 CAGATTCCC TTCATCCAGT GCCCTCTCCT CTTTAAGTTA CAACACATTG GCTACACCTA
236761 AGTGCAGGGG TGGGGATGAG GGTATAGTCC TCTTGTTC TGAGAAGAGA ACTGTATTGG
236821 GAAAGCTCTA GAAGTGTGTTG ATACATACAT AAACAAGGCA TGGTTTTGC ACTTAATTTC
236881 ACATTACATT TTTCCCAGAA AAAAAGGAAT GTATAGGCAT CACGTAACTG TACTAGCTGG
236941 AGTCATTCTT CCTGATTATC AAAGGTAAAC AGTTATTAAT CCTATACCAA GATGTCAAGG
237001 AGAAGTACTT TTGGAACACA AGGAATTCTC TGGGAGTCCT TACTACTCTC AAGCCCAGTG
237061 AAAAAGTTAA TGAAAAACTA TAGTACCTTC CTATAAGCTG GATGACTAAT TACCAGGCTC
237121 ATTTAGGAAT TTGCCTTACC AAGTAAAACA TAAGGGCAGC TGAGGTGCTG ACTGAAGACA
237181 AATGGAGCAT AGAATAAGAG TAGTAAAGAA TGCCAAAAAT GCTGTCATGT ATCCATTGAC
237241 AAAAGGAGCT ATAAAGCCTT TAGGTATTTT CACACTTGCT CTGTTACGTA AATGTATGTG
237301 TGTGTGTGTG TGTGTGTGTG TGTGTG
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DECLARATION AND POWER OF ATTORNEY

As a below named inventor, I declare that:

My residence, post office address and citizenship are as stated below next to my name; I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural inventors are named below) of the subject matter which is claimed and for which a patent is sought on the invention entitled: **POLYMORPHISMS IN THE REGION OF THE HUMAN HEMOCHROMATOSIS GENE** the specification of which is attached hereto or X was filed on _____ as Application No. _____ and was amended on _____ (if applicable).

I have reviewed and understand the contents of the above identified specification, including the claims, as amended by any amendment referred to above. I acknowledge the duty to disclose information which is material to the examination of this application in accordance with Title 37, Code of Federal Regulations, Section 1.56. I claim foreign priority benefits under Title 35, United States Code, Section 119 of any foreign applications(s) for patent or inventor's certificate listed below and have also identified below any foreign application for patent or inventor's certificate having a filing date before that of the application on which priority is claimed.

Prior Foreign Application(s)

Country	Application No.	Date of Filing	Priority Claimed Under 35 USC 119
			Yes <u> </u> No <u> </u>
			Yes <u> </u> No <u> </u>

I hereby claim the benefit under Title 35, United States Code §119(e) of any United States provisional application(s) listed below:

Application No.	Filing Date

I claim the benefit under Title 35, United States Code, Section 120 of any United States application(s) listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States application in the manner provided by the first paragraph of Title 35, United States Code, Section 112, I acknowledge the duty to disclose material information as defined in Title 37, Code of Federal Regulations, Section 1.56 which occurred between the filing date of the prior application and the national or PCT international filing date of this application:

Application No.	Date of Filing	Status
08/724,394	10/01/96	<u> </u> Patented <u>X</u> Pending <u> </u> Abandoned
08/652,265	05/23/96	<u> </u> Patented <u>X</u> Pending <u> </u> Abandoned
08/630,912	04/04/96	<u> </u> Patented <u>X</u> Pending <u> </u> Abandoned

POWER OF ATTORNEY: As a named inventor, I hereby appoint the following attorney(s) and/or agent(s) to prosecute this application and transact all business in the Patent and Trademark Office connected therewith.

Renee A. Fitts, Reg. No. 35,136
William M. Smith, Reg. No. 30,223
James M. Heslin, Reg. No. 29,541
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Send Correspondence to: Renee A. Fitts, Esq. TOWNSEND and TOWNSEND and CREW LLP Two Embarcadero Center, 8th Floor San Francisco, CA 94111-3834	Direct Telephone Calls to: (Name, Reg. No., Telephone No.) Name: Renee A. Fitts, Esq. Reg. No.: 35,136 Telephone: (415) 326-2400
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Full Name of Inventor 1	Last Name Ruddy	First Name David	Middle Name or Initial A.	
Residence & Citizenship	City San Francisco	State/Foreign Country California	Country of Citizenship United States of America	
Post Office Address	Post Office Address 855 Greenwich Street	City San Francisco	State/Country California	Zip Code 94133
Full Name of Inventor 2	Last Name Wolff	First Name Roger	Middle Name or Initial K.	
Residence & Citizenship	City Mill Valley	State/Foreign Country California	Country of Citizenship United States of America	
Post Office Address	Post Office Address 41 Eugene Street	City Mill Valley	State/Country California	Zip Code 94941

I further declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code, and that such willful false statements may jeopardize the validity of the application or any patent issuing thereon.

Signature of Inventor 4 David A. Ruddy	Signature of Inventor 5 Roger K. Wolff
Date	Date



UNITED STATES DEPARTMENT OF COMMERCE
Patent and Trademark Office
ASSISTANT SECRETARY OF COMMERCE AND
COMMISSIONER OF PATENTS AND TRADEMARKS
Washington, D.C. 20231

NOTICE OF FILING/CLAIM FEE(S) DUE
TO ENSURE PROPER CREDIT OF FEES, PLEASE RETURN A COPY OF THIS
FEE CALCULATION SHEET WITH YOUR RESPONSE.

APPLICATION NUMBER: 08/852,495

Total Fee Calculation

Fee Code	Total # Claims	Number Extra X	Fee		Fee =	Total
			Sm./Lg.	Sm. Entity		
Basic Filing Fee	<u>201/101</u>				<u>770</u>	<u>770</u>
Total Claims >20	<u>203/103</u>	<u>28</u> -20 = <u>8</u>	X		<u>22</u>	<u>176</u>
Independent Claims >3	<u>202/102</u>	<u>6</u> -3 = <u>3</u>	X		<u>80</u>	<u>240</u>
Mult. Dep. Claim Present	<u>204/104</u>					
Surcharge	<u>205/105</u>				<u>130</u>	<u>130</u>
English Translation	<u>139</u>					
TOTAL FEE CALCULATION						<u>1,316</u>

Fees due upon filing the application:

Total Filing Fees Due = \$ 1,316

Less Filing Fees Submitted - \$

BALANCE DUE = \$ 1,316

J. Julian Van
Office of Initial Patent Examination